



SOUTHAMPTON CITY COUNCIL

ELECTRIC VEHICLE CHARGING

STRATEGY

Our Mission (Foreword)

Southampton is a large and growing city faced with a series of current and future challenges and opportunities. Social, environmental, and economic sustainability needs to be achieved in the city going forwards to ensure the city can continue to grow and prosper without compromising the environment, health and wellbeing.

The city faces the dual challenges of climate change and air pollution. Over the coming decades the city is expected to experience more extreme heat and flooding events, some of which we've already witnessed. Poor air quality will also continue to have a direct impact on the health of the city's residents, burdening our NHS and worsening health inequalities. To reduce our contribution to climate change and reduce the burden of pollution on residents, cleaner transport is essential. The UK's greenhouse gas emissions in 2020 were 51% below 1990 levels but transport emissions have been relatively persistent to date and require attention if we are to meet our net zero targets.

Road transport is one of the most significant sources of carbon emissions in the city (approximately one third of total emissions) and is the most significant source of key air pollutants. As the city continues to grow, there will be a growing need to encourage new technologies to help mitigate the impact of transport emissions. In the future, an estimated 16,500 homes are expected to be built by 2040 to support the anticipated increase in the city's population.

The Council recognises that electric vehicles (EVs) play an important role in tackling these issues as part of a wider series of projects and policy which prioritise active travel and public transport.

Executive Summary

This strategy sets out the approach the council will take to encourage and facilitate the uptake of EVs through provision of a comprehensive charging network which can meet future demand and use cases for electric vehicles across the city. It includes five key goals we hope to achieve through the strategy:

1. Building an integrated transport solution for the city of which EVs are part
2. To utilise an effective blend of charging solutions to meet the needs of users
3. Enable fair and equitable access to EV charging for all
4. Facilitate a phased increase in the provision of public Electric Vehicle Charging Infrastructure (EVCI)
5. Support businesses to transition to low carbon transport

Contents

Our Electric Vehicle Charging Strategy	3
Our Services	5
Setting the Scene	6
Local Policy	8
Climate Change Strategy and Green City Plan	10
Clean Air Strategy and Air Quality Action Plan	11
National and Regional Policy	12
Transport for the South-East Electric Vehicle Charging Infrastructure Strategy	12
UK Electric Vehicle Infrastructure Strategy	12
Updated Local Transport Plan Guidance	12
Governance - Green City Board	13
Our Approach	14
Underlying Principles	14
Future EV demand	16
Our Goals	17
Goal 1: Building an EV infrastructure network built to accommodate an integrated transport solution for the city	17
Goal 2: To utilise an effective blend of charging solutions to meet the needs of all users	18
Goal 3: Enable fair and equitable access to EV charging for all	19
Goal 4: Facilitate a phased increase in the provision of public Electric Vehicle Charging Infrastructure (EVCI)	20
Goal 5: Support Businesses	21

Our Vision

Our vision is for Southampton to be a clean, green, and healthy city to improve the living and working environments of both residents and visitors.

Southampton continues to experience the impacts of poor air quality and is beginning to feel the impacts of climate change through heatwaves and flooding. We aim to create a city that leads the way in using technology to reduce local air pollution and our contribution to global climate change.

We will tackle these environmental challenges we face as a city through numerous approaches including promoting active and sustainable travel and making the way we heat our buildings cleaner. While not the only solution to these issues, Electric Vehicles (EVs) will play a key role in delivering our ambitions by being part of the solution to improving local air quality reducing emissions of greenhouse gases by reducing emissions from essential private vehicle journeys.

We also recognise the need for a growing and thriving economy through supporting industry and jobs creation not only in Southampton but nationally.

This Electric Vehicle Charging Infrastructure (ECVI) strategy details how Southampton City Council (SCC) will meet these ambitions by bringing about a step change in public access to EVCI across the city, ensuring that current and future demand for ultra-low emission vehicles can be met, and that further uptake of these vehicles is encouraged. Doing so will reduce the environmental and health impacts of road transport, while sustaining local and national economic growth and job creation by supporting the electric vehicle industry, including electric freight deliveries.

Our Electric Vehicle Charging Strategy

Southampton City Council's 2022-2030 Corporate Plan outlines the council's key values and ambitions for a cleaner, healthier, and prosperous city. These are:

- Strong foundations for life
- A city to be proud of
- A prosperous city
- A successful sustainable organisation

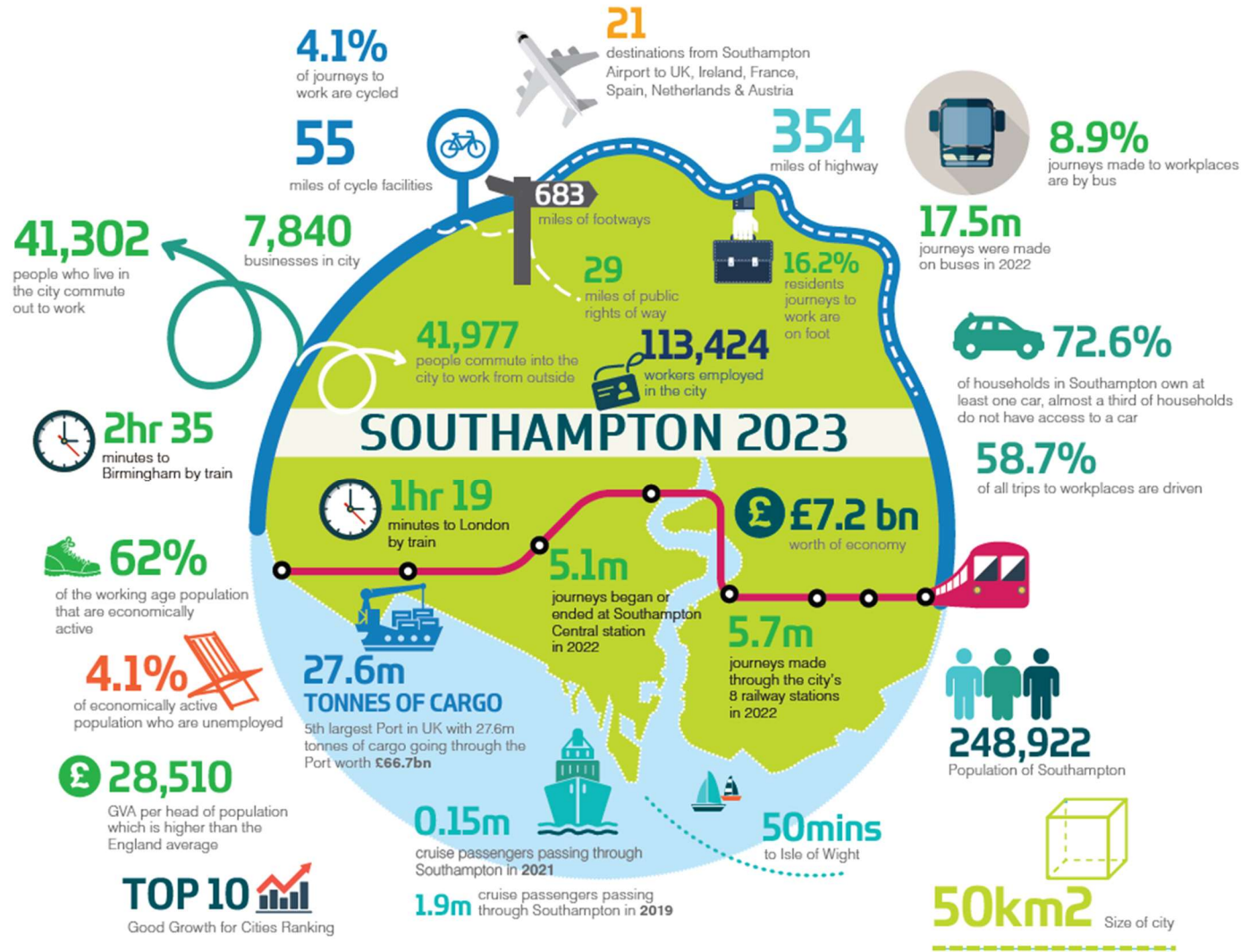
EVs can play an important role in tackling air quality and mitigating climate change, helping ensure the city has strong foundations for life.

By delivering a comprehensive and robust network of public Electric Vehicle Charging Points (ECVPs), The council can help support existing drivers of EVs and encourage more drivers to consider owning an EV as charging becomes more convenient.

This Strategy forms part of the council's wider transport and sustainability policies, notably Connected Southampton 2040 and the council's Climate Change Strategy. It also aligns with Transport for the South East's plans and priorities for regional EVCP infrastructure.

Our City

To prepare for the future we need to understand where we are today. Here are some key facts and statistics about Southampton that can help us understand how our local circumstances might influence the kind of EV Charging infrastructure we might need.



Our Services

Southampton City Council provides a wide range of vital public services ranging from waste collection to social care provision. A newer responsibility for local authorities has been the provision of public Electric Vehicle charging points. While many charge points are located on private property and owned privately, local authorities still have a key role to play in the rollout of this charging infrastructure in line with new nationally led policy and funding opportunities.

The council was a relatively early adopter of electric vehicle technology and saw the potential in its introduction and benefits to drivers and residents alike. With the help of Government funding, it invested in electric vehicle charging with a public and internal network of chargers across the city.

As of December 2023, Southampton City Council own and manage 53 public chargers at 18 locations offering up to 69 vehicles to charge at any one time making it the largest provider of charging facilities in the city. To date these chargers have mostly been located in the council's city centre multi-storey car parks and seeing a steady increase in use since first installed.

Setting the Scene

Southampton is the largest city in Hampshire and the third most population dense city in the UK. The city is served by various major infrastructure links including the M3 and M27 motorways. Between 2016 and 2036, it's estimated that there could be 275,000 more trips being made each morning due to an increasing population.

The council are committed to reducing the impacts road transport and congestion can have on our residents and the environment. Electric Vehicles can play an important role in tackling these issues including:

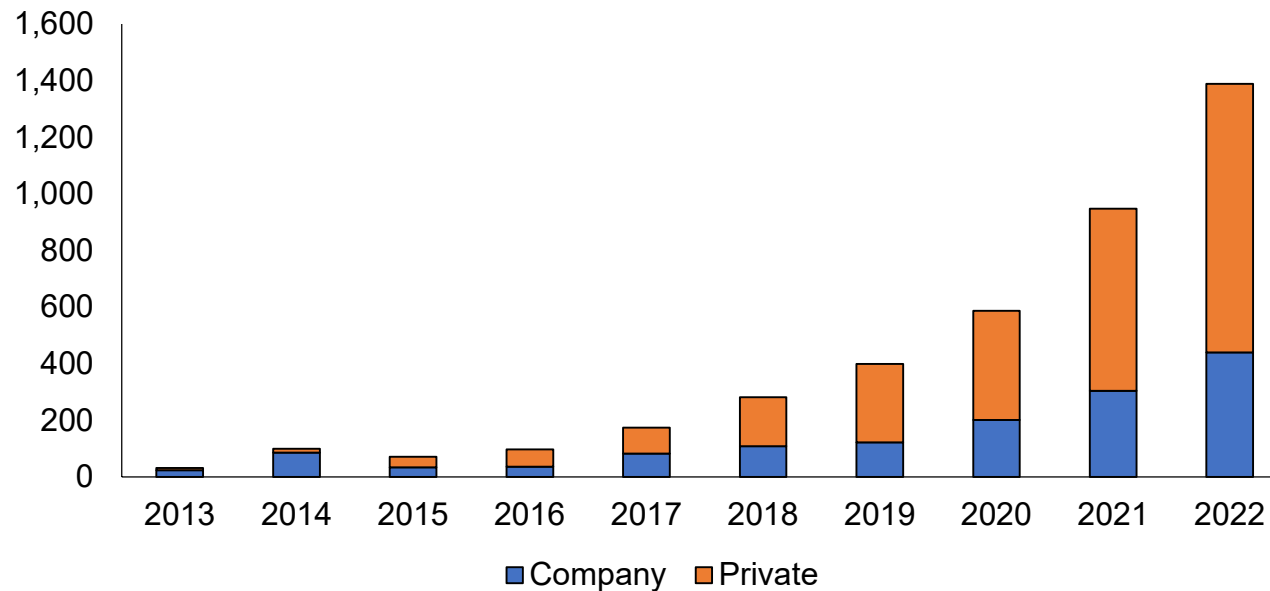
- **Air quality** – Despite improvements in the city's air quality, levels of air pollution remain high in certain areas of the city, impacting the health of residents and visitors. Research by the Clean Air Fund indicates that if air pollution was cut by a fifth in the city, every year we could see 50 fewer children suffering with reduced lung function and a decrease in lung cancer cases by around 5.9%, which would result in 10 fewer cases every year¹. Road vehicles contribute over two thirds to levels of NO_x in the city, most of which is from private vehicles. Owing to the lack of a tailpipe, EVs can help reduce levels of certain pollutants. The council acknowledge however that EVs aren't the solution to managing other pollutants, importantly particulate matter and they don't alleviate congestion. It's partly for this reason that SCC continues to promote active travel and public transport as a priority.
- **Climate Change** – Climate change presents a current and existential challenge globally. Local and national government recognise the impact climate change can have as flooding and heatwaves become more common and extreme. SCC has the commitment to be net zero by 2030 and as a city by 2050. While EVs are associated with upstream emissions and emissions during construction, on balance they are less impactful than standard combustion engine vehicles.
- **Noise** – Noise can have a large impact on the health and wellbeing of individuals. In an urban setting, much of this impact is from the engines of road vehicles. EVs are typically much quieter than combustion engine vehicles and therefore contribute towards mitigating this impact.

SCC have monitored a rapid increase in the use of existing chargers reflecting national statistics around the increase in EV car sales, highlighting the success of national efforts and investments into incentivise EVs. By the end of 2023, 975,000 fully electric vehicles have been registered in the UK and a further 590,000 plug-in hybrids. This increase is in part due to central government's policy to ban the sale of new petrol and diesel cars and vans in 2035, as well as growing consumer confidence in electric vehicles and charging infrastructure.

The below graph shows that the number of licensed plug-in vehicles in the city has grown from 32 vehicles in 2013 to 1,388 by the end of 2022. When broken down the number of private vehicles have growth by 940 vehicles and company vehicles by 416.

¹ [policy-brief-Southampton-1.pdf \(pcdn.co\)](#)

Licensed Plug-In Vehicles in Southampton 2013 - 2022



It's expected that the number and proportion of EVs driving in the city's roads will continue to increase as consumer confidence in EVs increases and more affordable models come onto the market. The introduction of more public EV charging infrastructure not only helps support existing EV drivers get around, but also encourages more drivers to consider switching to a cleaner vehicle.

At the time of writing, the council have around 20 electric taxis operating in the city and to date no electric buses, although work is underway to decarbonise the bus fleet which builds on the bus retrofit project which has made the bus fleet in the city cleaner. It's expected that these numbers will rapidly increase with the provision of further charging infrastructure and incentives over the coming years.

This strategy will set out how the council intends to meet this upcoming demand for electric vehicle charging and encourage more drivers to consider an electric vehicle where possible by delivering on the five goals set out in 'Executive summary'.

Local Policy

The diagram below shows the relevant links between the EV Charging Strategy and the councils other proposed or adopted strategies and plans:



Local Transport Plan - Connected Southampton 2040

The [Connected Southampton Transport Strategy 2040](#) (the Local Transport Plan) sets out the council's long-term approach to delivering an integrated transport system for the city including the provision of a mass transit system, pedestrian and cycle infrastructure, bus improvements and road re-designs. The Plan sets out three strategic goals to tackle transport challenges, including 'A Successful Southampton', 'A System for Everyone' and 'A Better Way To Travel'. 'A Better Way to Travel' sets out the Council's ambition to become a Zero Emission City to achieve continual improvements in air quality and contribute towards mitigating climate change.

Relevant elements of the Plan include:

- **Zero Emission City** - We will actively enable and encourage transition to ultra-low and zero emission vehicles as technology and regulations change.
- **Electric Bus Fleet** – We will work with bus operators via the Enhanced Bus Partnership to deliver the ambitions of the Bus Service Improvement Plan, including decarbonising the bus fleet by 2030 and creating a network of Park and Ride facilities with EV charging facilities.
- **EV Charging Network** – We will encourage greater ownership of electric vehicles, including motorcycles, by providing a publicly accessible network of charging points across the city in car parks, new developments and on-street.
- **EV Car Clubs** – We will offer alternatives to car ownership by incorporating EV car clubs into Travel Hubs across the city;
- **Last Mile Deliveries** – We will develop a network of Travel Hubs with local SDCs facilities in District Centres to support the consolidation of local deliveries and onward delivery by electric vans or e-bikes.
- **EV & New Developments** - We will facilitate electric vehicle infrastructure by ensuring that there is provision for electric vehicle charging in new developments as set out in the Southampton City Vision.
- **My Journey Behaviour Change Programme** – We will work with key businesses to develop, co-ordinate and promote electric and alternative fuel strategies for the city; and
- **Alternative Fuels** – electric vehicles are part of the solution to decarbonising the transport network. However, it is important that we remain agile to other technologies and fuels, such as hydrogen, which may be better suitable to other forms of transport, including water transport and freight.

We will work alongside other partners, including local authorities across the region to develop and integrate plans that support both our ambition to become a net zero city and grow EV use.

Climate Change Strategy and Green City Plan

The council's new/upcoming Climate Change Strategy sets out how the council and the city can address the challenge of climate change and achieve net zero carbon. This covers all aspects of decarbonisation and sustainability including heating, energy, and transport. As with the Local Transport Plan, this strategy recognises the role EVs have to play in mitigating climate change as part of a wider integrated transport solution which focuses on supporting active travel and public transport.

The council's approach to decarbonising its own fleet is set out in this strategy. Currently, the council has over 70 electric vehicles in its fleet serviced by 30 charge points across the city's depots.

The strategy also stresses the need for energy – including energy needed for electric vehicles - to come from renewable sources as far as possible. To do this, SCC will work with energy, heat and fuel suppliers, city stakeholders and seek to develop a city-wide Local Area Energy Plan, to support decarbonisation whilst ensuring a balanced approach to managing supply.

The Climate Change Strategy highlights the actions the council is pursuing in order to accommodate a transition to a zero/low emission fleet, including;

- The introduction of vehicle telematics to ensure council fleet is being used appropriately to contribute to council outcomes and provide information for EV transition.
- The development a transition plan covering immediate opportunities and a strategic programme for fully transitioning the council fleet to electric. There are more immediate opportunities to switch our smaller, return to base vehicles to electric. Tackling larger vehicles and specific service areas presents significant challenges for us to address. As part of the transition, we will continue to explore alternative fuels to reduce fleet emissions. This could also include use of e-bikes and e-cargo bikes.
- Building an invest to save financial model that demonstrates that an investment in higher cost fleet assets can deliver revenue savings.
- Extending our fleets access to EV charging infrastructure with a blended approach that uses workplace, public and, home charging options.

Clean Air Strategy and Air Quality Action Plan

The council's Clean Air Strategy sets out the council's goals and priorities for improving air quality in the city. This strategy feeds into the new Air Quality Action Plan which includes 60 new actions the council will explore or implement up to 2028. These are split into five priority areas including 'Low and Zero Emission Vehicles'. This includes the following actions relevant to this strategy:

- Enter a partnership or concessions arrangement with a provider to deliver a step change in EV infrastructure in the city
- Develop planning guidance and requirements for electric vehicle charging in new developments
- Explore further opportunities for incentivising taxi drivers to switch to a cleaner vehicle
- Install on -street chargers and more chargers outside of the city centre.
- Electric Vehicle strategy for the city setting out how future demand for EVs will be met
- Discounted electric taxi and van leasing scheme including rapid chargers and driver support
- Encourage uptake of electric cars clubs in the council and the wider city

National and Regional Policy

Transport for the South-East Electric Vehicle Charging Infrastructure Strategy

Transport for the South East (TfSE), a Sub-National Transport Body, has developed and adopted an EV Charging Point Strategy² for the region in partnership with its sixteen Local Transport Authority members. This strategy sets out the regions approach to meeting expected demand. This includes encouraging regional collaboration through working groups and stakeholder engagement, reviewing wider considerations including energy supply provision for local authorities and lobbying central government. The council's EV strategy and approach to EVCI rollout will reflect TfSE's to ensure delivery is in line with the regional approach.

UK Electric Vehicle Infrastructure Strategy

Sets the UK vision for electric vehicle charging provision as part of national climate change policy including the ambition for around 300,000 charge points by 2030. It includes the following key priorities.

- Everyone can find and access reliable public charge points wherever they live
- Effortless on and off-street charging for private and commercial drivers
- Fairly priced and inclusively designed public charging
- Market-led rollout for the majority of charge points
- Infrastructure is seamlessly integrated into a smart energy system
- Continued innovation to meet drivers' needs

The strategy focuses on supporting local authorities through policy and funding to deliver local on-street and destination EV charging throughout the city.

Updated Local Transport Plan Guidance

At the time of writing, the DfT are expected to publish updated guidance on the development of Local Transport Plans, which will take into account Government strategies that have been published more recently, including the Decarbonisation Plan and the Electric Vehicle Charging Strategy. This guidance is expected to set out the need for Local Transport Authorities to set out clear plans on how they will decarbonise transport, including the recommendation to develop local EV plans.

² [Electric Vehicle Charging Infrastructure Strategy - Transport for the South East](#)

Governance - Green City Board

As with other policies contributing towards our net zero ambitions, the delivery of this strategy will be governed through Green City/Climate Change Programme Board. This Board will monitor key performance outcomes associated with this Strategy achieving its objectives and where appropriate seek to identify reasons for under performance and introduce actions to correct it.

Our Approach

As a key stakeholder and service provider for the Southampton community it is crucial that the council leads by example and leads the way in supporting and delivering the Electric Vehicle strategy. In considering this role the council have identified 8 underlying principles that they must adhere to as part of this journey. These principles will help highlight and reinforce the strategic goals for EV charging that the council has set out.

Underlying Principles

1. Lead by example

Southampton City Council will lead by example, setting ourselves challenging goals and influencing others to act.

This includes continuing to grow our own electric vehicle corporate fleet and charging infrastructure and encouraging our staff to use and adopt EV's through our Staff Travel Plan and by offering an EV salary sacrifice scheme. This is being instigated through our Climate Change Strategy.

The council is the largest provider of EVCPs in the city and will continue to be a leader in delivering more EVCPs and encourage other organisations and landowners to do the same.

2. Visibility

The council will routinely provide information on efforts being made and progress achieved in a clear, transparent, and accessible manner.

3. Seek out and prioritise actions with co-benefits

The council will continue to prioritise and promote transport options which bring the greatest co-benefits to the city including improving air quality, mitigating climate change, reducing the impact of noise, and improving the health and wellbeing of residents and visitors to the city. While electric vehicles will help bring about benefits in some of these areas, encouraging and facilitating active travel for journeys which don't have to be made by private vehicle will continue to be prioritised on the basis that walking and cycling deliver benefits across all of these areas. Public transport will also continue to be prioritised over private vehicle use to reduce congestion and other impacts from private car use.

4. Flexible and Reactive

The Council's approach is reliant on the availability of funding and resource to deliver EV projects, which will ultimately dictate the initiatives that the council is able to deliver. In order to maximise expansion opportunities, all avenues to secure additional funding from central government and the private sector will be pursued.

The Council will stay responsive to changes in technology around EVs and EVCP's and will update this policy on a regular basis to ensure any key innovations are incorporated into updates to achieve our goals. Technologies might include faster and cheaper charging, power banks, vehicle to grid connections and so on.

5. Proportionate, affordable, and equitable

The council recognise the barriers many residents face to taking on an EV – notably the cost and the reliance on off-street parking for cheap and reliable charging

It's expected that with time, electric vehicles will become more accessible to more residents, however barriers to charging are still likely to exist. It is the Council's ambition to ensure that any resident with an EV has access to fair, equitable and reliable charging no matter their circumstance.

The council recognise that not all residents will want to or could use an EV in the future. As such, the council will continue to support a wide range of transport modes including public transport and active travel and will continue to make transport accessible through its Local Transport Plan and later updates.

6. Support the green economy, innovation, and green finance solutions

Identifying and utilising new innovative technologies to support the delivery of our goals as they emerge. Technology around EVs and EVCPs is developing at a rapid pace including the speed and types of charging available. The council will ensure where solutions emerge which could help meet the goals of this strategy that these are explored and implemented where possible.

7. Embed in Policy

The council recognise the need to embed principles across all council functions and services. This will be achieved by ensuring policy frameworks, decision making processes and funding mechanisms support their goals. It is recognised that there are significant challenges to Southampton achieving its targets. Whilst the council aims to make improvements to the city, fully achieving its targets will require further action from central government and changes to the national policy landscape. It will require a clear funded roadmap to support action at local level.

8. Awareness

Ensuring that staff, businesses, and communities understand the role they play and how to support our goals. The council cannot meet the demand for EVCP provision alone and will need to ensure workplaces and developers have a key role to play.

Future EV demand

Extensive research has been taken by Energy Saving Trust to understand what the future demand for EV charging infrastructure will be like in Southampton. This research highlights the follow key predictions which have informed our key goals for this strategy:

- While many EV owners to date have had access to off street charging on driveways, this will change as EVs begin to reach mass adoption. There is a clear need for a dramatic increase in the provision of on street EV charging provision or residential hubs to allow residents without off street parking the opportunity to charge their vehicle nearby when at home. This will help ensure strain on the existing EVCP network in the city centre is avoided.
- Top-up charging is projected to become the most popular way to charge at the fastest type of rapid chargers (which give 80% charge in 30 minutes depending upon battery size). These are being installed on taxi ranks and in commercial locations including service stations and supermarkets. This technology allows EV users to quickly top up charge at a much faster speed (depending upon battery size) and reduces the travel time of long distance trips dramatically.
- Electric vehicle and charging technologies have and will continue to rapidly evolve with innovation including battery storage and capacity. The council will need to stay pro-active to new technologies and support these as they emerge.

has produced suggested target figures for types of EV charging facilities based on low (expected 5,000 EVs in Southampton in 2027) , medium (7,000 EVs) and high (on track with UK average uptake to meet national expected demand) scenarios. These indicate that over 500 chargers of different types will be needed by 2027 to match the average UK demand for EV chargers.

Charger Type	Low Scenario	Medium Scenario	High Scenario
Lamppost/Bollard	100	200	300
Public Car Parks	80 (28 Dual Socket)	130 (47 Dual Socket)	175 (98 Dual Socket)
On Street (7kw-22kw)	25	50	100
Taxi / Business only	10	12	15
Total	215	392	590

Our Goals

Goal 1: Building an EV infrastructure network built to accommodate an integrated transport solution for the city

The council recognises that EVs play a role, as part of an integrated transport system for the city, which also includes as a priority, provision for active travel and public transport.

The council has identified four ambitions which will deliver on this goal:

Ambitions	What will the council do?
Delivering EVCPs as part of wider Local Transport Plan and transport programmes	<ul style="list-style-type: none"> Consider opportunities for electric vehicles as part of the develop of future transport strategies. Ensure EVCP is considered as part of the delivery of broader transport projects, including Park and Ride and road space reallocation.
Working with developers through the development control process to ensure that new developments contribute towards the rollout of EVCP	<ul style="list-style-type: none"> Require developers to implement sufficient and robust EVCPs as part of the emerging City Vision Local Plan and new national Building Regulations.
Developing a network of Travel Hubs offering shared transport options, including shared electric vehicle car clubs	<ul style="list-style-type: none"> Explore delivering EVCPs and shared car club EVs as part of local Travel Hubs including smaller residential hubs and larger hubs in the city centre where residents also have access to buses, micromobility options including e-scooters and bikes, and other facilities and services including local Sustainable Distribution facilities, such as lockers.
Working with other public and private sector partners to decarbonise other forms of transport	<ul style="list-style-type: none"> Work with other public and private sector partners to investigate opportunities to decarbonise other forms of transport, including water, rail and freight. Investigate opportunities to better integrate other forms of transport into key transport hubs.

Goal 2: To utilise an effective blend of charging solutions to meet the needs of all users

No single type of charge point will meet the needs of residents and visitors. Instead, access to different types of charge points is needed to provide a comprehensive charging infrastructure. The two key types of chargers we need in the city are:

- Home and on-street residential charging for slower and cheaper overnight charging.
- Destination charging including rapid chargers, charging hubs and workplace chargers for 'top-ups'.

The council has identified four main ambitions in this area that will help us to achieve this goal:

Ambitions	What will the council do?
Home charging	<ul style="list-style-type: none">• Explore innovative options for home charging solutions including promoting discounts for off-street chargers and co-charging solutions where driveway chargers are rented to other EV drivers.• Provide clear advice and guidance to developers, homeowners and landlords on the installation of home chargers and ensuring there are clear policies on the installation of dropped kerbs and hard standing to support home charging• Assess opportunities and provide clear guidance on home charging vehicles parked on the highway including the potential use of cable gullies and other means of keeping the pavement safe for all users.
Street charging and Off-street public chargers	<ul style="list-style-type: none">• Deliver a step change in the provision of street chargers through a partnership agreement with a private provider.• Ensure businesses and households are given the opportunity to identify priority locations for chargers and are involved in ensuring that access to them is managed in a reasonable and fair manner.
Off-street public chargers	<ul style="list-style-type: none">• With our delivery partner ensure our public charging network offers the right number and type of chargers to meet customer's needs.

Work related charging	<ul style="list-style-type: none"> • Support the needs of businesses by identifying where the public charging network can supplement and compliment work-based charging needs. • Identify shared charging opportunities between local businesses including satisfying the council's own charging needs as it modernises its own fleet.
-----------------------	--

Goal 3: Enable fair and equitable access to EV charging for all

While the council recognises that not everyone will be able to or will want to purchase an EV, it remains committed to ensuring that the EV infrastructure delivered for the public can meet the needs of any resident or visitor who wishes to use it.

The council has identified 5 main ambitions that will help us to achieve Goal 3:

Ambitions	What will the council do?
Support home charging options	<ul style="list-style-type: none"> • Explore options which could facilitate safe home charging including gullies, cable covers, lamppost chargers, co-charging, and lamppost schemes. • Develop policy and guidance to ensure home charging requirements, including dropped kerbs and new driveways are not in conflict with green infrastructure and flooding priorities. • Develop and trial residential Travel Hubs including the provision of EVCI on housing land.
Locate more on-street chargers across the city	<ul style="list-style-type: none"> • Apply for funding to deliver over 170 chargers on-street across the city. • The layout of charging points will be planned for the ensure footways are clear of clutter and that paths aren't narrowed to ensure access for residents isn't impaired.
Ensure that new chargers are located where they support uptake of EVs, not just in locations with current high demand or where it's commercially viable	<ul style="list-style-type: none"> • Secure funding to deliver on-street EV charging points across the city. • Work with our delivery partner to ensure further EVCPs are located in underserved areas of the city, where there is demand or predicted future demand.

Work to optimise effectiveness of charge points	<ul style="list-style-type: none"> • Implement policies to prevent overstaying and overcharging vehicles and prevent other vehicles blocking charging bays and preventing use. • Ensure our delivery partner optimises the use of EVCPs through a contractual obligation.
Ensure new charge points are accessible for all vehicles and residents	<ul style="list-style-type: none"> • Establish minimum standards for the design of charge points and bays to ensure disabled access and ease of charging for all vehicles. • Work in line with central government policies to reduce the need of apps or fobs to access the EVCP network.

Goal 4: Facilitate a phased increase in the provision of public Electric Vehicle Charging Infrastructure (EVCI)

In line with the suggested target figures of Energy Saving Trust, there is a clear need to significantly increase the provision of EV charging in the city in anticipation of future demand and to encourage use of electric vehicles.

The council has identified three key ambitions to deliver on this goal.

Ambitions	What will the council do?
Enter a partnership arrangement with a supplier to deliver large increase in EV destination charging	<ul style="list-style-type: none"> • We will ensure new EVCP installations are accompanied by robust feasibility studies to understand limitations in our neighbourhoods and public car parks including electricity capacity, structural and space requirements as well as highways regulations and parking policy. • The arrangement will involve working with a provider to deliver city-wide infrastructure in line with expected future demand. • The arrangement will align with the upcoming Local Area Energy Management Plan in ensuring electricity supply to sites across the city is sufficient, including the possibility of utilising local produced sustainable energy ie. from solar panels on Multi Storey Car Parks and above travel/ EV hubs.
Implement reliable charging infrastructure where faults are responded to promptly	<ul style="list-style-type: none"> • Ensure the current system for reporting and responding to faults is sufficient to allow reliable access to charge points.

	<ul style="list-style-type: none"> • Ensure our partner provides a robust process for maintaining charge points and minimising faults on the network. • Ensure EVCPs are protected against vandalism and water damage from flooding through waterproofing and elevating new installations in areas of flood risk, or prioritising areas with lower risk where necessary.
Promote the EVCP and EVs	<ul style="list-style-type: none"> • The EVCP network will be promoted by our partner and through the council's communication channels, including the My Journey Behavioural Change Programme and the Workplace Travel Network. • We will also organise communications and campaigns highlighting the benefits of EVs to residents, commuters, and visitors.

Goal 5: Support Businesses

The council recognises that private organisations need to play a large role in the provision of EVCP across the city. While the council is likely to continue being the largest provider of infrastructure in the city, workplaces and developers can integrate EVCPs into their premises to meet the needs of their residents, staff and visitors and supplement the city-wide network.

The council has identified 3 main ambitions in this area that will help us to achieve this goal:

Ambitions	What will the council do?
Support the uptake of electric buses, taxis and demand responsive transport through incentives, infrastructure and partnership working	<ul style="list-style-type: none"> • Investigate delivering new taxi incentives including the recent try before you buy electric taxi scheme and previous low emission taxi incentive scheme. • Work with bus operators to deliver electric buses for the city and help address local restrictions to charging these vehicles.
Support electric freight and logistics movements, including return to home vans	<ul style="list-style-type: none"> • Investigate opportunities to increase uptake of Sustainable Distribution Centre and onward last mile journeys by electric vehicles. • Investigate home charging options for return to home vans including battery packs, dedicated bays in charging hubs etc. • Support businesses to develop Delivery and Servicing Plans to identify opportunities for freight consolidation and sustainable last mile deliveries.

Encourage workplace and support work related charging	<ul style="list-style-type: none">• Support workplaces in applying for government schemes to introduce EV chargers into their workplaces• Ensure the council's public charging infrastructure is able to support the needs of businesses and those running a private vehicle.
---	--

Monitoring and review

Due to the rapid pace in the uptake of electric vehicles and the technologies, policy and funding around the topic, this strategy will need to continuously monitor and review these trends to ensure it stays relevant.

As such, this strategy will be reviewed regularly and amended with any key adjustments. A full-scale review of the strategy will be undertaken every 5 years to reflect any changes in policy.

Monitoring undertaken for this strategy will include:

- Review use of network and EV uptake nationally and adapt approach accordingly
- Consider emerging guidance around LTPs and look to develop measurement of measuring impacts of strategy of road transport emissions
- Identify opportunities for making monitoring information available to support businesses and communities