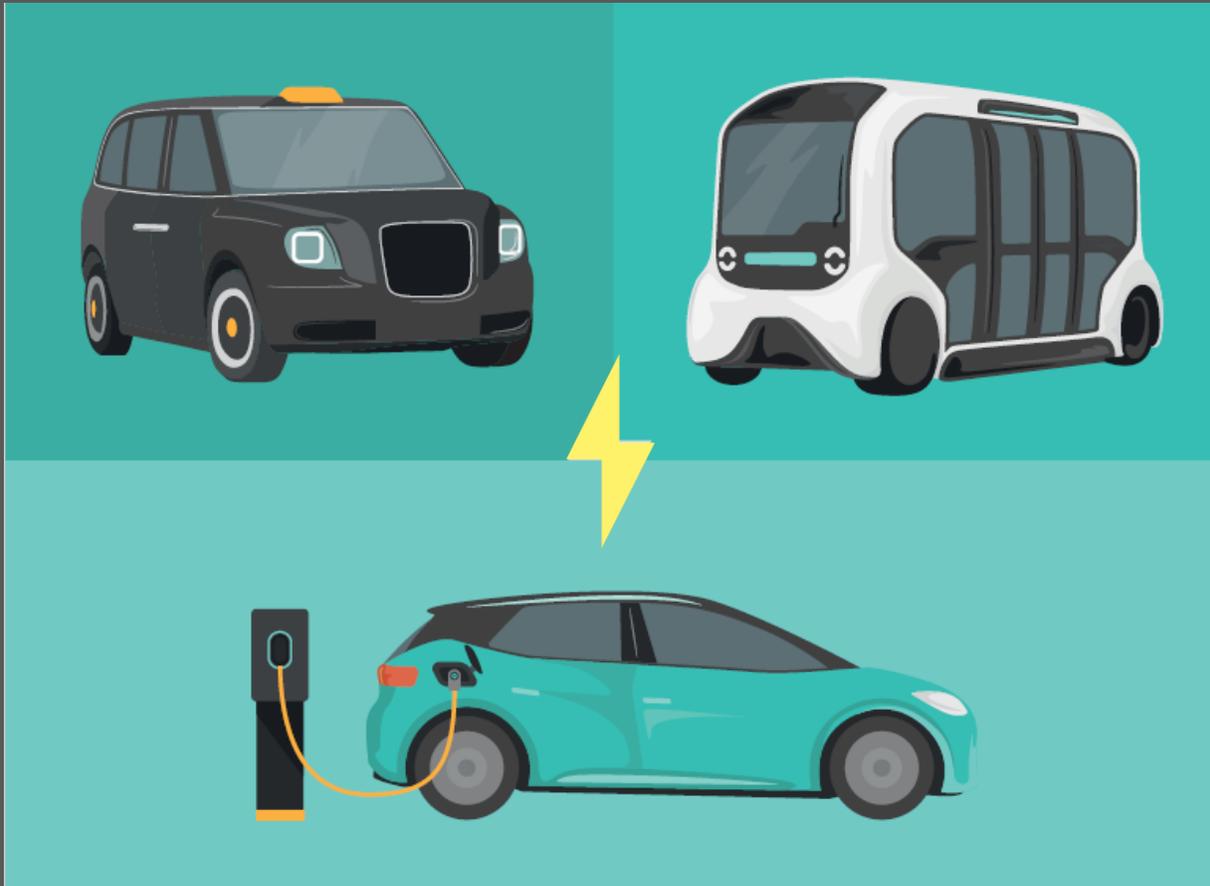


# Going Electric Action Plan 2022-24



**Solihull**  
METROPOLITAN  
BOROUGH COUNCIL

Updated: September 2022



## Action Focus Areas

- ⚡ Charging Infrastructure
  - ⚡ Home Charging
  - ⚡ Workplace and Depot Charging
  - ⚡ Public Charging
- ⚡ Council Operations and Resources
- ⚡ Communication, Advocacy and Outreach
- ⚡ Public Transport
- ⚡ Shared Transport
- ⚡ Commercial, Industrial and Agricultural Vehicles
- ⚡ Planning, Regulation and Guidance

## Home Charging

Action	Council Role	Other Stakeholders	Timing	Action ID & Type
Encourage home charging and ensure fitting a home charger is as simple as possible	<ul style="list-style-type: none"> <li>Provide approval (where required), advice and guidance</li> </ul>	<ul style="list-style-type: none"> <li>Solihull Community Housing (SCH)</li> <li>Landlords</li> <li>Homeowners</li> <li>WPD</li> </ul>	Immediate <b>Target:</b> Issue guidance by 31/12/22 <b>Target:</b> Develop and publish approval process for SCH tenants by 31/12/22	1.1.1 Indirect
Investigate options for kerbside charging from building/private power supplies	<ul style="list-style-type: none"> <li>Research and report</li> </ul>	<ul style="list-style-type: none"> <li>EST/OZEV/Other LAs</li> <li>WPD</li> </ul>	Short Term <b>Target:</b> Research and report on options and recommendations by 30/6/23	1.1.2 Strategic

## Workplace and Depot Charging

Action	Council Role	Other Stakeholders	Timing	Action ID & Type
Establish Workplace and Depot Charging Working Group	<ul style="list-style-type: none"> <li>Lead and facilitate</li> </ul>	<ul style="list-style-type: none"> <li>SCH</li> <li>Strategic contractors</li> <li>Public sector fleet operators</li> </ul>	Immediate <b>Target:</b> Establish initial membership and hold first meeting by 31/12/22	1.2.1 Strategic
Develop a Council Workplace and Depot Charging Strategy	<ul style="list-style-type: none"> <li>Commission and oversee</li> </ul>	<ul style="list-style-type: none"> <li>Public sector fleet operators</li> <li>Private sector fleet operators</li> </ul>	Short term <b>Target:</b> Publish strategy by 31/12/23	1.2.2 Strategic
Investigate public/private opportunities for shared depot charging	<ul style="list-style-type: none"> <li>Research and report</li> </ul>	<ul style="list-style-type: none"> <li>Public sector fleet operators</li> <li>Private sector fleet operators</li> </ul>	Short term <b>Target:</b> Report on shared depot opportunities by 31/12/23	1.2.3 Strategic

## Focus Area 1: Charging Infrastructure



## Public Charging

Action	Council Role	Other Stakeholders	Timing	Action ID & Type
Procure a 'Destination' Charge Point Operator	<ul style="list-style-type: none"> <li>Contracting authority</li> </ul>	<ul style="list-style-type: none"> <li>Public landowners</li> <li>Charge Point Operators (CPOs)</li> <li>WPD</li> </ul>	Immediate <b>Target:</b> By 31/12/22 contract a CPO to install up to 500 Destination chargers by 2026	1.3.1 Direct
Procure a 'Nearby' Charge Point Operator	<ul style="list-style-type: none"> <li>Contracting authority</li> </ul>	<ul style="list-style-type: none"> <li>Public landowners</li> <li>Charge Point Operators (CPOs)</li> <li>WPD</li> </ul>	Immediate <b>Target:</b> By 31/12/22 contract a CPO to install up to 1000 Nearby chargers by 2030	1.3.2 Direct
Ensure total charge points meet public charging demand	<ul style="list-style-type: none"> <li>Monitor, measure and report</li> <li>Strategic lead</li> </ul>	<ul style="list-style-type: none"> <li>Landowners</li> <li>Charge Point Operators (CPOs)</li> <li>Residents &amp; Businesses</li> </ul>	Medium term <b>Target:</b> At least 275 EV charge points per 100,000 population by end of 2025	1.3.3 Strategic

## Focus Area 2: Council Operations and Resources



### Council Operations

Action	Council Role	Other Stakeholders	Timing	Action ID & Type
All new and replacement fleet vehicles to be zero tailpipe emission at next contract signing / renewal	<ul style="list-style-type: none"> <li>Fleet operator</li> <li>Contracting authority</li> </ul>	N/A	Medium term <b>Target:</b> Council fleet vehicles zero emission by 31/12/25 <b>Target:</b> All SCH fleet vehicles zero emission by 31/12/25	2.1.1 Direct
All outsourced Council services to specify use of zero tailpipe emissions	<ul style="list-style-type: none"> <li>Contracting authority</li> </ul>	<ul style="list-style-type: none"> <li>Operators of Council services</li> </ul>	Medium term <b>Target:</b> New services contracts operate only ZEVs from 31/12/25 <b>Target:</b> New goods and existing services contracts operate only ZEVs from 31/12/30	2.1.2 Indirect
Ensure appropriate charging infrastructure/ plan is in place prior to delivery of new ZEVs	<ul style="list-style-type: none"> <li>Fleet operator</li> </ul>	<ul style="list-style-type: none"> <li>Operators of Council services</li> </ul>	Ongoing	2.1.3 Direct & Indirect

### Resources

Action	Council Role	Other Stakeholders	Timing	Action ID & Type
Secure funding for EV related work through public charging contracts, grants and partnerships	<ul style="list-style-type: none"> <li>Enabler</li> </ul>	<ul style="list-style-type: none"> <li>Charge Point Operator(s) (CPOs)</li> <li>Funding bodies</li> <li>Investors</li> </ul>	Ongoing	2.2.1 Direct & Indirect

# Communication, Advocacy and Outreach

Action	Council Role	Other Stakeholders	Timing	Action ID & Type
Develop and publish website content to promote the switch to ULEVs and guide drivers through their electrification journey	<ul style="list-style-type: none"> <li>Advocate</li> <li>Enabler</li> </ul>	<ul style="list-style-type: none"> <li>Public sector</li> <li>Private sector</li> <li>Residents</li> </ul>	Immediate & Ongoing <b>Target:</b> Publish initial guidance and links by 31/10/22	3.1.1 Indirect
Ensure the EV Strategy and supporting action plan and guidance is regularly reviewed and updated	<ul style="list-style-type: none"> <li>Advocate</li> <li>Enabler</li> </ul>	<ul style="list-style-type: none"> <li>Various</li> </ul>	Short term and ongoing (until at least 2030)	3.1.2 Strategic
Provide an interactive tool for residents and businesses to flag up where they'd like to see future charging infrastructure.	<ul style="list-style-type: none"> <li>Enabler</li> </ul>	<ul style="list-style-type: none"> <li>Residents</li> <li>Business drivers</li> <li>WMCA (transit charging)</li> </ul>	Short term <b>Target:</b> Develop or procure an interactive tool for charge point requests by 30/6/23	3.1.3 Indirect
Promote zero emission vehicles and associated infrastructure work through events and working groups	<ul style="list-style-type: none"> <li>Advocate</li> </ul>	<ul style="list-style-type: none"> <li>Public sector</li> <li>Private sector</li> <li>Residents</li> </ul>	Ongoing	3.1.4 Indirect
Develop and communicate monitoring, measurement and reporting processes and information	<ul style="list-style-type: none"> <li>Data owner</li> <li>Enabler</li> </ul>	<ul style="list-style-type: none"> <li>Interested Parties</li> <li>Charge Point Operators (CPOs)</li> </ul>	Immediate & Ongoing <b>Target:</b> Establish a Monitoring, Measurement & Reporting Plan by 31/12/22	3.1.5 Strategic, Direct & Indirect

## Focus Area 3: Communication, Advocacy and Outreach



### Key Objectives

- ▶ Reliable, convenient and affordable charging in the borough
- ▶ Awareness of the benefits and availability of services
- ▶ Engagement to understand and address challenges and concerns
- ▶ Council leading the way

### Outcomes

- ▶ Clean air
- ▶ Reduced carbon emissions
- ▶ Sustainable economic growth

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## 'Going Electric' - Solihull's Electric Vehicle Strategy

Solihull's Electric Vehicle Strategy has been developed with the central aim of ensuring that when any existing petrol or diesel powered vehicle owned or operated in the borough is sold or scrapped, it is replaced with an electric vehicle, leading to reductions in carbon emissions and improvements in air quality.

The strategy seeks to address current barriers while supporting the widespread transition to electric vehicles, which is now rapidly accelerating following international, national, regional and borough wide climate commitments.

View the Electric Vehicle Strategy

## Focus Area 4: Public Transport



## Public Transport

Action	Council Role	Other Stakeholders	Timing	Action ID & Type
Work with partner organisations to transition the local and regional bus and coach fleets operating in and through Solihull to zero tailpipe emissions vehicles	<ul style="list-style-type: none"> <li>Highways authority</li> <li>Enabler</li> </ul>	<ul style="list-style-type: none"> <li>Enhanced Bus Partnership</li> <li>WMCA</li> <li>Private bus and coach operators</li> </ul>	Medium to Long term	4.1.1 Strategic & Indirect
Work with partner organisations to put in place the enabling infrastructure to future proof local roads ready for decarbonisation of the bus, coach and rail fleet	<ul style="list-style-type: none"> <li>Highways authority</li> <li>Enabler</li> </ul>	<ul style="list-style-type: none"> <li>National and Regional bodies</li> <li>Bus operators</li> <li>Rail operators</li> <li>CAV operators</li> <li>Technology companies</li> <li>National Highways</li> </ul>	Medium to Long term	4.1.2 Strategic, Direct & Indirect
Explore ULEV options for Council operated mini-bus services, incl. school services	<ul style="list-style-type: none"> <li>Fleet operator</li> </ul>	<ul style="list-style-type: none"> <li>Solihull Schools</li> <li>Social care providers</li> <li>Service users</li> </ul>	Medium term <b>Target: Introduce zero emission mini-bus / shuttle operations by 31/12/25</b>	4.1.3 Direct & Indirect
Continue trials of connected autonomous passenger vehicles and enabling infrastructure	<ul style="list-style-type: none"> <li>Highways authority</li> <li>Enabler</li> <li>Fleet operator</li> </ul>	<ul style="list-style-type: none"> <li>WMCA</li> <li>Private partners</li> <li>CCAV</li> </ul>	Short term and Ongoing <b>Target: Public highway running of Council's own CAV Shuttle by end of 2023</b>	4.1.4 Direct

# Shared Transport

Action	Council Role	Other Stakeholders	Timing	Action ID & Type
Offer a route out of individual vehicle ownership by enabling and promoting EV car clubs	<ul style="list-style-type: none"> <li>• Enabler</li> <li>• Highways authority</li> <li>• Planning authority</li> </ul>	<ul style="list-style-type: none"> <li>• Car club operator(s)</li> <li>• Housing / mixed-use developers</li> <li>• Master planners</li> </ul>	Immediate to Long term <b>Target:</b> Procure and subsidise an initial EV car club provision at trial location(s) by 31/12/22 <b>Target:</b> Include requirement to consider car clubs / shared mobility provisions within Council led master plans by 31/3/23	5.1.1 Strategic, Direct & Indirect
Enable ULEV car try-before-you-buy opportunities through car club(s) and partnerships with EV manufacturers and traders	<ul style="list-style-type: none"> <li>• Enabler</li> </ul>	<ul style="list-style-type: none"> <li>• Car club operator(s)</li> <li>• Vehicle OEMs</li> <li>• Dealerships</li> </ul>	Short term <b>Target:</b> Establish limited volume subsidised ULEV car try-before-you-buy scheme by 31/3/23 [Dependent on car club establishment]	5.1.2 Direct
Consult with taxi and private hire trade on taxi and PHV zero emission plan which will inform new licensing rules	<ul style="list-style-type: none"> <li>• Licensing authority</li> </ul>	<ul style="list-style-type: none"> <li>• Taxi &amp; private hire operators and drivers</li> <li>• Taxi OEMs and retrofit specialists</li> </ul>	Immediate <b>Target:</b> Commence consultation with taxi and private hire trade by 31/10/22 <b>Target:</b> Develop and publish taxi and PHV zero emission plan by 31/3/23	5.1.3 Strategic
Advocate market ready EV mobility-as-a-service options	<ul style="list-style-type: none"> <li>• Advocate</li> <li>• Planning authority</li> <li>• Highways authority</li> </ul>	<ul style="list-style-type: none"> <li>• MaaS solutions providers</li> <li>• WMCA / TfWM</li> </ul>	Immediate and Ongoing	5.1.4 Indirect

## Focus Area 5: Shared Transport



## Focus Area 6: Commercial, Industrial and Agricultural Vehicles



### Commercial Vehicles

Action	Council Role	Other Stakeholders	Timing	Action ID & Type
Investigate commercial ULEV growth trajectories and local charging / refuelling demand	<ul style="list-style-type: none"> <li>Research &amp; Report</li> </ul>	<ul style="list-style-type: none"> <li>WMCA</li> <li>National Highways</li> <li>WPD</li> <li>Fleet operators</li> </ul>	Short term <b>Target:</b> Commission commercial ULEV charging / refuelling demand modelling by 31/12/23	6.1.1 Strategic
Enable ULEV LCV try-before-you-buy opportunities through car club(s) and partnerships with EV manufacturers and traders	<ul style="list-style-type: none"> <li>Enabler</li> </ul>	<ul style="list-style-type: none"> <li>Car club operator(s)</li> <li>Vehicle OEMs</li> <li>Dealerships</li> </ul>	Short term <b>Target:</b> Establish limited volume subsidised ULEV LCV try-before-you-buy scheme by 30/6/23	6.1.2 Direct
Investigate and develop local capacity for ULEV manufacturing and maintenance to support economic growth	<ul style="list-style-type: none"> <li>Enabler</li> </ul>	<ul style="list-style-type: none"> <li>Commercial vehicle supply chain</li> <li>Fleet operators</li> <li>Academia</li> <li>WMCA / Energy Capital</li> <li>Local Enterprise Partnership</li> </ul>	Short to Medium term <b>Target:</b> Commission research project to establish skills gap and scale of opportunity in commercial ULEV space by 31/12/23	6.1.3 Strategic

### Agricultural Vehicles

Action	Council Role	Other Stakeholders	Timing	Action ID & Type
Investigate agricultural ULEV use cases and opportunities for intervention	<ul style="list-style-type: none"> <li>Research &amp; Report</li> </ul>	<ul style="list-style-type: none"> <li>Agricultural sector</li> <li>Plant OEMs &amp; traders</li> <li>Academia</li> </ul>	Medium term <b>Target:</b> Commission consultative research on agricultural ULEV transition by 31/12/24	6.3.1 Strategic

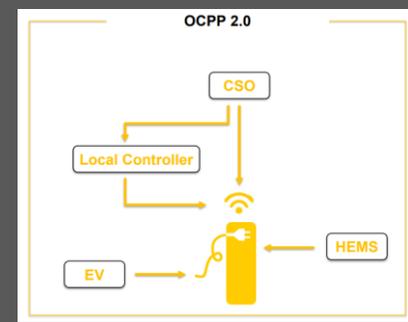
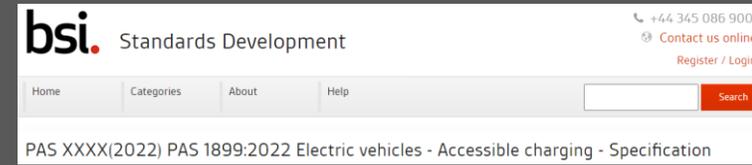
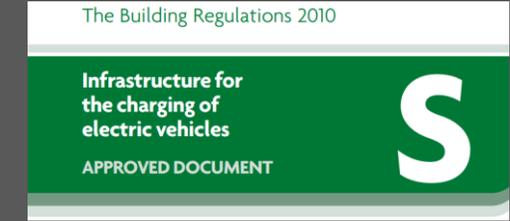
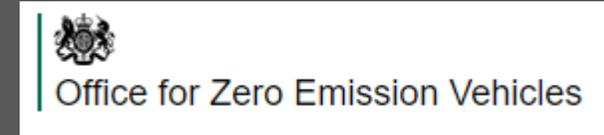
### Industrial Vehicles

Action	Council Role	Other Stakeholders	Timing	Action ID & Type
Identify opportunities to demonstrate ULEV industrial vehicles in infrastructure projects	<ul style="list-style-type: none"> <li>Advocate</li> <li>Enabler</li> </ul>	<ul style="list-style-type: none"> <li>WMCA</li> <li>HS2</li> <li>Developers</li> <li>Plant hire</li> </ul>	Medium term <b>Target:</b> Develop industrial ULEV demonstrator programme by 31/12/24	6.2.1 Strategic & Indirect

# Planning, Regulation and Guidance

Action	Council Role	Other Stakeholders	Timing	Action ID & Type
Develop planning guidance on infrastructure for charging of electric vehicles in new developments and major refurbishments	<ul style="list-style-type: none"> <li>Planning authority</li> </ul>	<ul style="list-style-type: none"> <li>Developers</li> <li>Land owners</li> </ul>	Short term <b>Target:</b> <i>Issue supplementary guidance covering EV charging in new developments &amp; major refurb by 31/12/23</i>	7.1.1 Strategic & Indirect
Develop local supporting policies and guidance on home and public charging	<ul style="list-style-type: none"> <li>Highways Authority</li> <li>Car park operator</li> </ul>	<ul style="list-style-type: none"> <li>National Highways</li> <li>Residents</li> <li>Charge Point Operators (CPOs)</li> </ul>	Short term <b>Target:</b> <i>Publish policy and guidance on trailing cables across footpaths by 30/9/23.</i> <b>Target:</b> <i>Publish guidance on maintaining safety and cleanliness at public EV chargers by 30/6/23</i>	7.1.2 Strategic & Indirect
Ensure that charging infrastructure is safe to use and accessible for all	<ul style="list-style-type: none"> <li>Planning authority</li> <li>Highways authority</li> <li>Car park operator</li> </ul>	<ul style="list-style-type: none"> <li>Developers</li> <li>Charge Point Operators (CPOs)</li> <li>OZEV</li> </ul>	Immediate & Ongoing <b>Target:</b> <i>Require all new EV charging locations to be minimum OCPP2.0 and EV ChargeSafe 4-Star or higher from 1/1/23</i>	7.1.3 Strategic & Indirect
Ensure shared and public transport vehicles and services licenced by the Council are zero tailpipe emission	<ul style="list-style-type: none"> <li>Licensing authority</li> </ul>	<ul style="list-style-type: none"> <li>Bus operators</li> <li>Taxi &amp; private hire operators and drivers</li> <li>MaaS solutions providers</li> </ul>	Short Term & Ongoing <b>Target:</b> <i>By 31/3/23 propose timetable for new licencing rules on zero emission buses, taxis and PHVs</i>	7.1.4 Strategic

## Focus Area 7: Planning, Regulation and Guidance



## Footnotes:

Note: Some actions extend beyond the plan period

Immediate = within 6 months

Short term = within 2 years

Medium term = within 5 years

Long term = beyond 5 years

Ongoing = expected to continue through or beyond the 2030 planning horizon