

Electric Vehicle Charging Points in the Community

What we'll cover

- ▶ Background and EVs in Herefordshire
- ▶ Herefordshire Council Projects
- ▶ Considerations
- ▶ Case Studies
- ▶ Next Steps

What is an Electric Vehicle (EV)

- ▶ **Battery-electric vehicle (BEV)**

Powered only by electricity

Charged by an external power source (e.g. at a charge point)

Do not produce any tailpipe emissions

- ▶ **Extended range electric vehicle (E-REV)**

- ▶ **Plug-in hybrid electric vehicle (PHEV)**

- ▶ **Hybrid Electric Vehicle (HEV)**

All these will be included in 2035 new sale ban

EV numbers

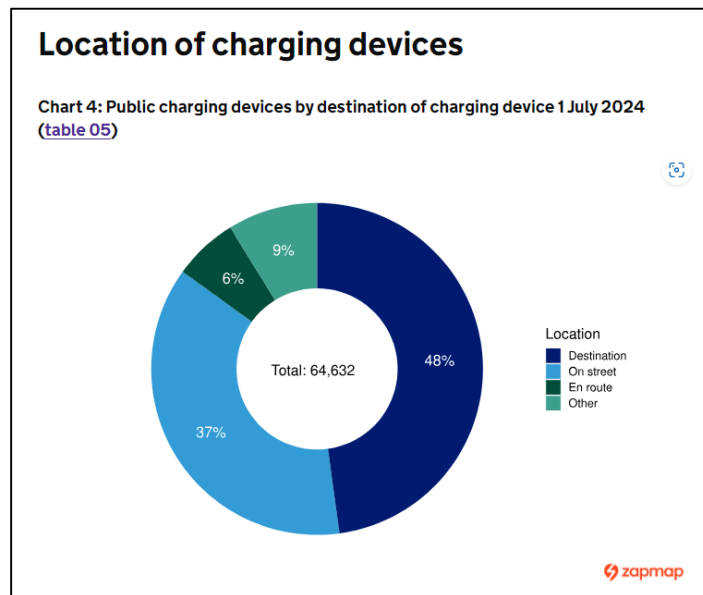
- ▶ Numbers of EVs currently registered:
 - ▶ Around 1.2 million EVs in UK
 - ▶ 1,912 EVs in Herefordshire (Q1 2024)
- ▶ Expecting second hand market to develop and contribute a significant proportion of the EVs on the roads by 2030
- ▶ Currently, majority of EVs are part of business fleets
 - 133,062 EV registrations in UK in first 6 months of 2024
 - Only 28,000 of these were to private buyers

Herefordshire charging network

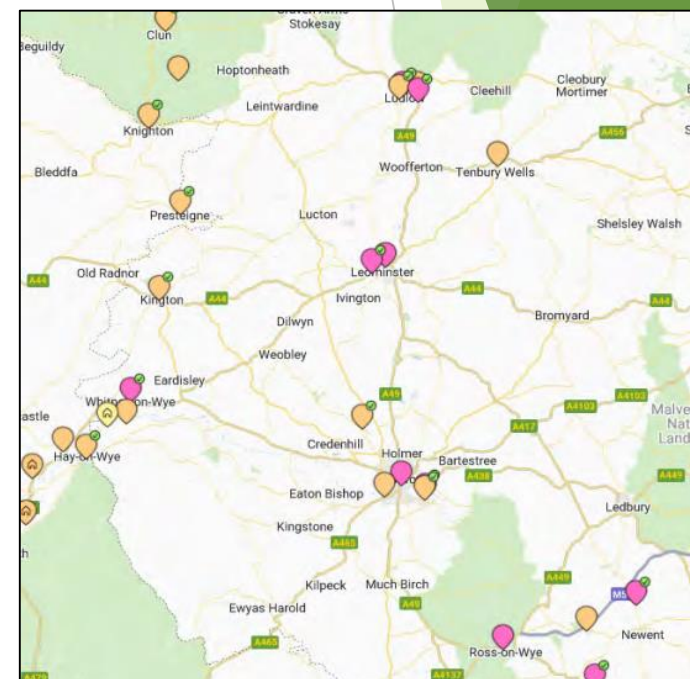
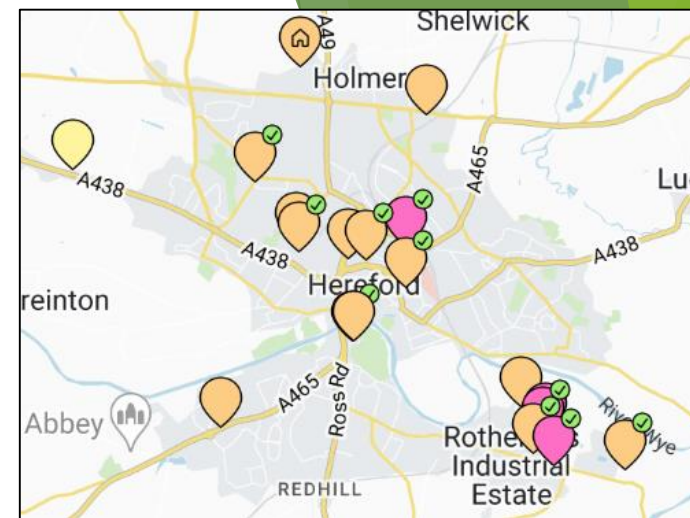
As of July 2024, there are 104 publically available charge points in Herefordshire

National statistics are predicting that 1,416 chargers will be required by 2030 in Herefordshire

Gaps in provision in rural areas



UK wide



Herefordshire Council projects



▶ EV charge points in Council car parks

Contract with Wenea for expanding network in council car parks

▶ LEVI (Local Electric Vehicle Infrastructure) funding

- **Pilot**

~£1M funding for on-street charge points for those without off street parking

Installs expected to begin within next 6 months

- **Main Fund**

Expansion of the on-street provision throughout Herefordshire

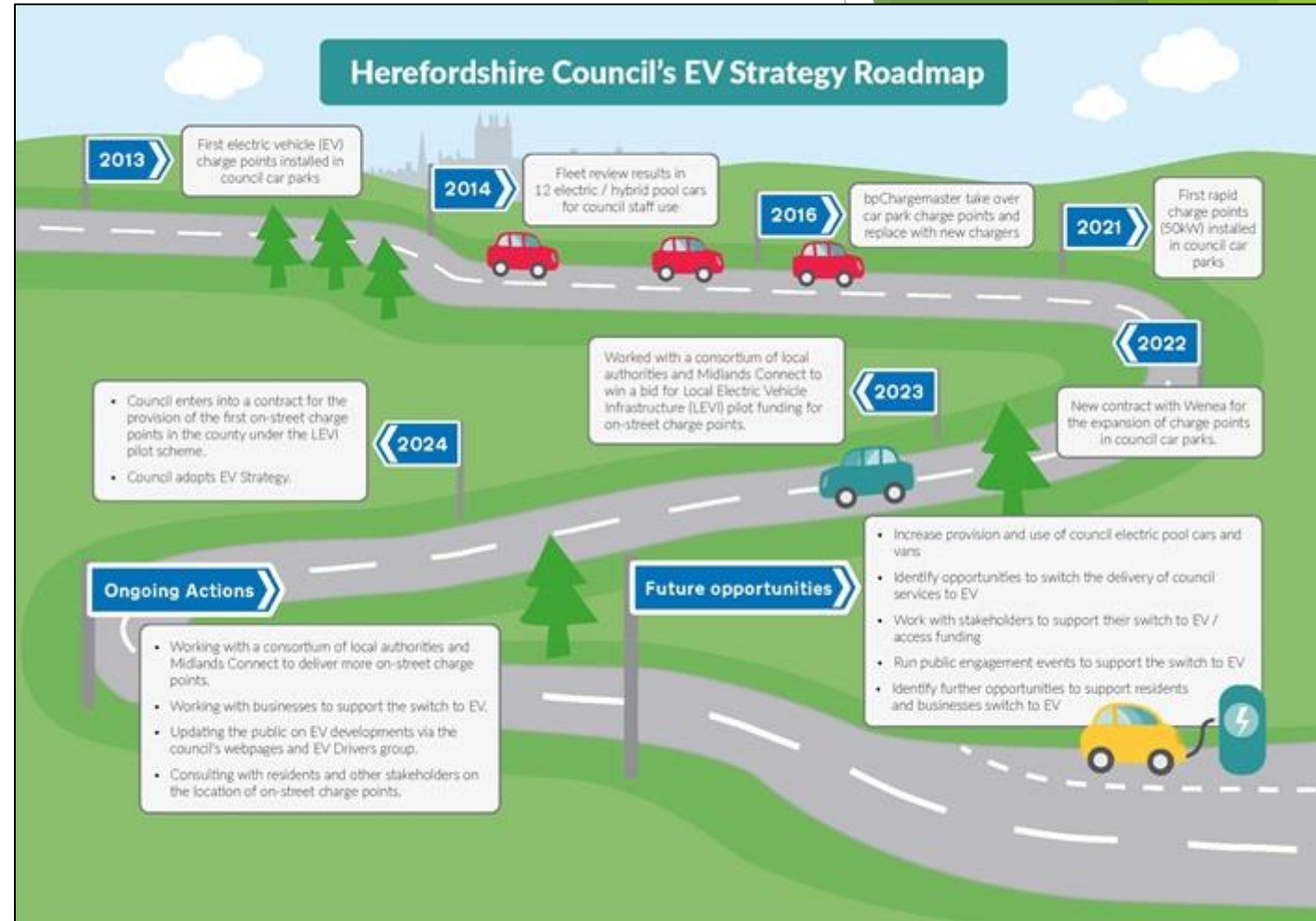
Timelines TBC – installs likely to begin in 2025/26



Midlands Connect
Transport | Investment | Growth

EV Strategy

- ▶ Adopted by Herefordshire Council in May 2024
- ▶ Developed through working groups with support from the [Energy Saving Trust](#)
- ▶ Identifies the key roles for the Council to support the switch
- ▶ Importance of working with stakeholders
- ▶ Available to read on [Herefordshire Council website](#)



Parish Council / Community Hall Land

- ▶ Public chargers can also be installed on other land e.g. village halls / community centres
- ▶ Charge point operators (CPOs) can offer a fully or partly funded operating model for community chargers
- ▶ Many operators available with different business models
- ▶ **Contact operators directly to discuss options and possibilities**

Different types of public EV Charge point

- ▶ **Slow (3kW – 6kW)**

~ > 8 hours

Designed to recharge over several hours such as overnight charging. Tend to be in more residential locations

- ▶ **Fast (7kW - 22kW)**

~ 3 - 8 hours

Tend to be in locations where people may spend several hours e.g. town centre car park.

- ▶ **Rapid (30kW -100kW)**

Used for recharging quickly. Likely to be near busy roads & popular local routes

~ 1 hour

- ▶ **Ultra-Rapid (100kW+)**

~ 30 mins

Quickest charge and most expensive tariff – likely to be on trunk roads and motorways

Considerations

Why do you want a charge point?

- ▶ Resident requested
- ▶ Tourist destination
- ▶ Income generation

Right charger in the right place

- ▶ Who will use the charger
- ▶ Dwell times
- ▶ Regular routes
- ▶ Nearby residential areas



Considerations

Practical Considerations

- ▶ Electricity Network Capacity (Distribution Network Operator capacity - DNO)
- ▶ Costs of bringing supply to charge point location
- ▶ Fire safety and insurance
- ▶ Connectivity and Mobile signal
- ▶ Charge point accessibility
- ▶ Public Charge Point regulations 2023

Financial Considerations

- ▶ Is income from charge points sufficient to cover costs to install and manage yourself?
- ▶ Costs include: supply & installation; ongoing maintenance; repair; back office fees
- ▶ All this will impact on tariff charged to user

Questions

Parish Council Survey

- ▶ Received 6 responses:
 - 4 decided not to go ahead with EV charge point install
 - 1 has made contact with number of operators. One operator is keen to go ahead. Parish need to discuss and agree internally before next steps
 - 1 wish to proceed but issues with electricity supply at site
 - None of the respondees had installed a charge point

- ▶ Interest out there - received over 20 expressions of interest from Parish Councils / Village Halls for EV charge points

- ▶ Survey still open – electricvehicles@Herefordshire.gov.uk

CPO & Parish Council Case Study



Believ and Awwsworth Parish Council (Nottinghamshire)

Installation of fully funded EV charge points at Awwsworth village hall
1x Fast and 1x Rapid charge point

Car park serves the village hall, recreation ground and opposite the local school

Also terraced housing nearby with no off-street parking.

Believ supplied, installed, operates and maintains the publicly accessible charge points at zero cost to the parish council.



Contact details: Amanda.rymell@believ.com

Installation of Charge Points - Process

Operator fully fund EV charging install - Parish get a bay fee

Parish must own the land

Usually a 15-20 year lease agreement

Process

- ▶ Parish engages directly with operator
- ▶ Site assessment and initial title deed check
- ▶ Proposal put together after DNO checks and designs
- ▶ If Parish wish to proceed, operator issue standard lease for parish to seek internal approval
- ▶ Permitted development and planning permissions looked at
- ▶ Technical drawings for site design developed for final sign off
- ▶ Once everything is approved by Parish, legal team then enlisted to execute the lease
- ▶ Install starts
- ▶ CPO cover all ongoing maintenance and issues

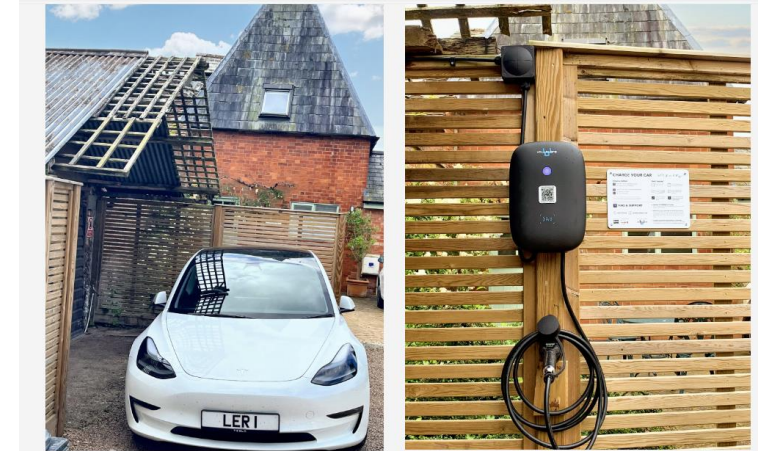
Tourism - Voltshare Case Study



- ▶ Provide destination venues with options of owning and investing in their own EV charging infrastructure.
- ▶ Discounts for Herefordshire BID businesses on EV charging for hospitality venues.
- ▶ Pay as you go business model that generate revenue for venue owners
- ▶ Varying installation costs and payback times

Website: <https://www.voltshare.co.uk/>

Contact: steven.core@voltshare.co.uk



Could VoltShare help your business?

VoltShare is an integrated EV-charging solution designed to meet the needs of sustainability-minded hospitality venues and holiday rentals.

Photo from Herefordshire County BID newsletter case study: White House Cottages in Ledbury.

Next steps

Upcoming Autumn statement and Government decisions on future investment in EV infrastructure

On-Street Residential Charge Point Scheme (ORCS) funding to be confirmed

In the meantime:

- ▶ Approach charge point operators directly – list to follow
- ▶ Attend training - Energy Saving Trust is running a [series of webinars](#) giving an introduction to EVs and EV charging
 - Free to attend - fully funded through local government support programme
 - Online sessions are specifically for local authority and Town & Parish councillors
- ▶ Consider existing grants - [Government grants](#) are available but only one, [Workplace Charging Grant](#), is potentially suitable
- ▶ Keep in touch with us – electricvehicles@Herefordshire.gov.uk

Workplace Charging Grant

Workplace Charging Scheme provides support towards the cost of installing up to 40 EV chargepoint sockets

- ▶ Recently updated to include charge points made available for public use
- ▶ Up to £350 of grant per socket
- ▶ It is open to eligible:
 - businesses
 - charities
 - public sector organisations
 - small accommodation businesses
- ▶ Must have dedicated off road parking available

Info at: <https://www.find-government-grants.service.gov.uk/grants/workplace-charging-scheme-2>

Useful Resources

- ▶ Herefordshire Council website:

<https://www.herefordshire.gov.uk/parking-1/electric-car-charging>

Includes information on the council's charge point network, and the opportunity to

- ▶ suggest potential locations for charge points
- ▶ join EV Drivers email group

- ▶ Energy Saving Trust:

<https://energysavingtrust.org.uk/advice/electric-vehicles/>

- ▶ Greener Footprints Initiative:

<https://zerocarbon.herefordshire.gov.uk/>

Contact us: electricvehicles@herefordshire.gov.uk

Thank you for listening