

CCBC Electric Vehicle Strategy

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Introduction

- Why an Electric Vehicles?
- Pollution issues
 - Dangerous to health
 - Contribution to climate change
 - Road transport – 90% of UK's domestic transport emissions
- The UK Government – ban new diesel and petrol vehicles from sale in the UK from 2040
- Advances in new technology & benefits of electric vehicles
- Strategic approach – EV's, Active Travel, Public Transport

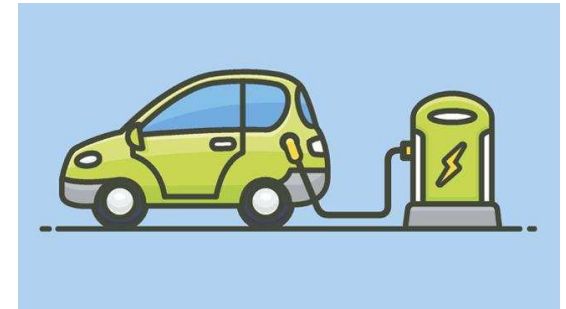


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Introduction

- Electric vehicles: 2016 - 2017
 - Electric vehicles in Wales rose by 35% (2,500 vehicles)
 - Electric vehicles in Caerphilly county borough rose by 28% (64 to 82 vehicles)
- Charge points
 - 439 in Wales
 - 4,476 across the UK
 - 0 public charge points in Caerphilly county borough
 - 2 charge points for fleet vehicles (Penallta House/Tir-y-Berth Depot)



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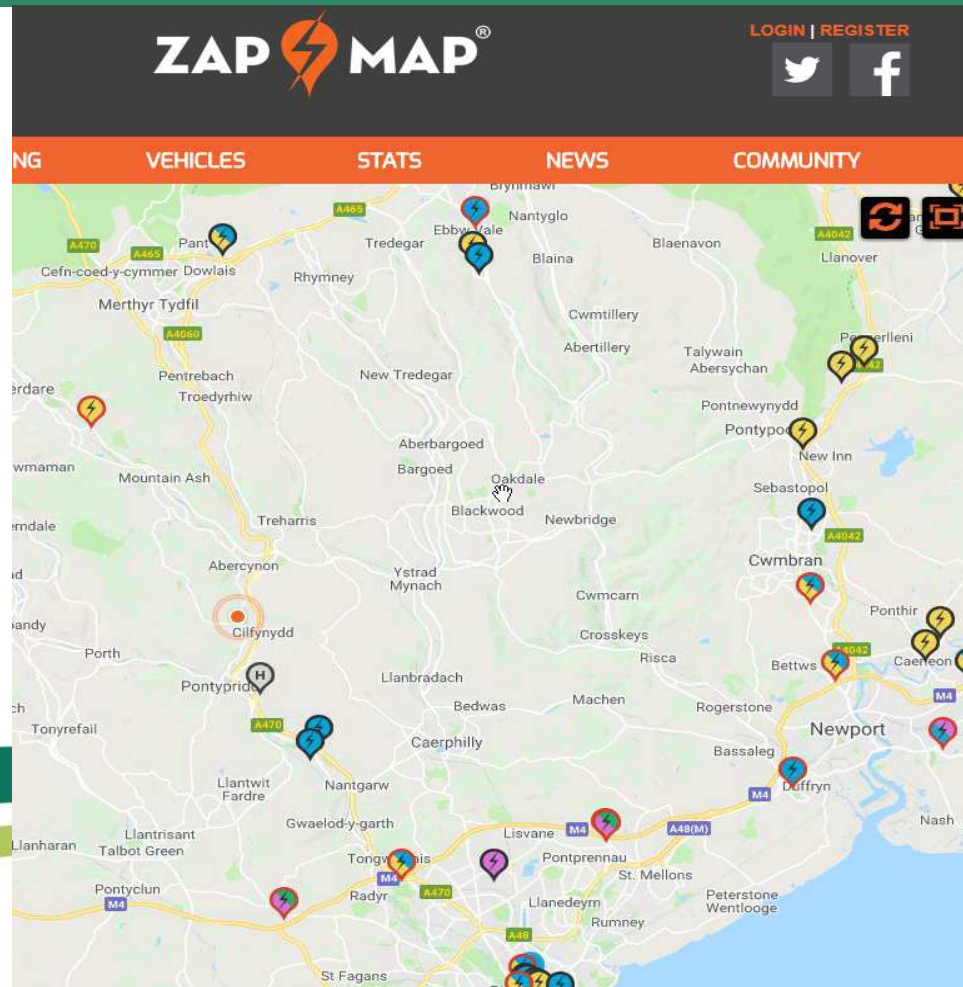
Technology

- Vehicles
 - Pure Electric (EV)
 - Plug-in Hybrid Vehicles (PHEV)
 - Extended Range Plug-in Hybrid Vehicles (E-REV)
 - Hydrogen Fuel Cells
- Charge points
 - 3Kw slow (7-8 hours)
 - 7Kw Fast (3-4 hours)
 - 22Kw-50Kw Rapid (30 – 50 minutes)



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Overview of Current Situation



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CCBC Electric Vehicle Strategy - Aims

- To provide electric vehicle infrastructure across the Caerphilly county borough
- Lead by example - incorporating electric vehicles into our fleet and trial new technologies as they evolve
- Work with private developers to incorporate electric vehicle infrastructure into new builds and developments
- Work with our partners and local businesses to encourage them to adopt a similar approach to electric vehicle infrastructure

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Objectives

- To support an integrated network of EV charge points
- Trial new technologies
- Maximise funding opportunities
- Private developers/landowners to provide EV charge points
- Raise awareness of the EV market
- Increase EV's in our fleet
- Address air quality issues
- Encourage our employees to switch to low carbon vehicles

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Action Plan

- Undertake a feasibility study – EV charge points
- Provide a network of charge points
- Identify opportunities for new technology
- Work with Welsh Government & Office for Low Emission Vehicles (OLEV) – access funding
- Requirement in planning – new developments
- Install EV charge points – fleet/employees
- Work with fleet/internal services – trial and lease EV's



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Action Plan

- Encourage businesses/organisations/partners to do the same
- Raise awareness of the vehicles, charge points and benefits
- Work with PSB partners – Well-being Plan Actions
- Investigate pool vehicles
- Link to the City Deal & Local Transport Plan



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Funding

- National:
 - Office for Low Emission Vehicles (OLEV) - £4.5 million
 - On Street Residential Chargepoint Scheme
 - Workplace scheme
- Regional
 - Welsh Government - £2 million (2018/19 and 2019/20)

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Feasibility Study

Regional PSB Feasibility Study

- CCBC leading on Gwent-wide study
- Identify potential sites for EV charging points
- Results of study to inform funding bids

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Feasibility Study

Sites identified in Caerphilly:

- The Twyn Car Park (65)
- Crescent Road (200)
- Caerphilly Train Station (160)
- Aber Train Station (118)

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What we need from you!

- Identify potential sites for charge points
- Help with links to businesses
- Community Councils



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CCBC Electric Vehicle strategy

Thank You

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