

# 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

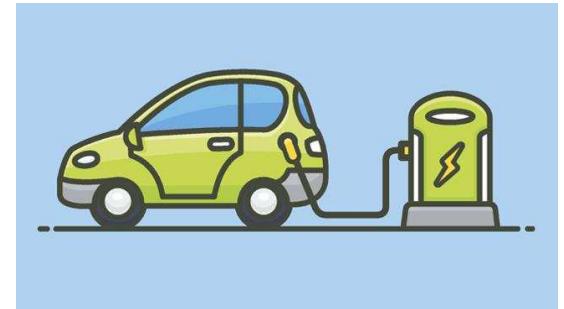


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# Introduction

- 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)



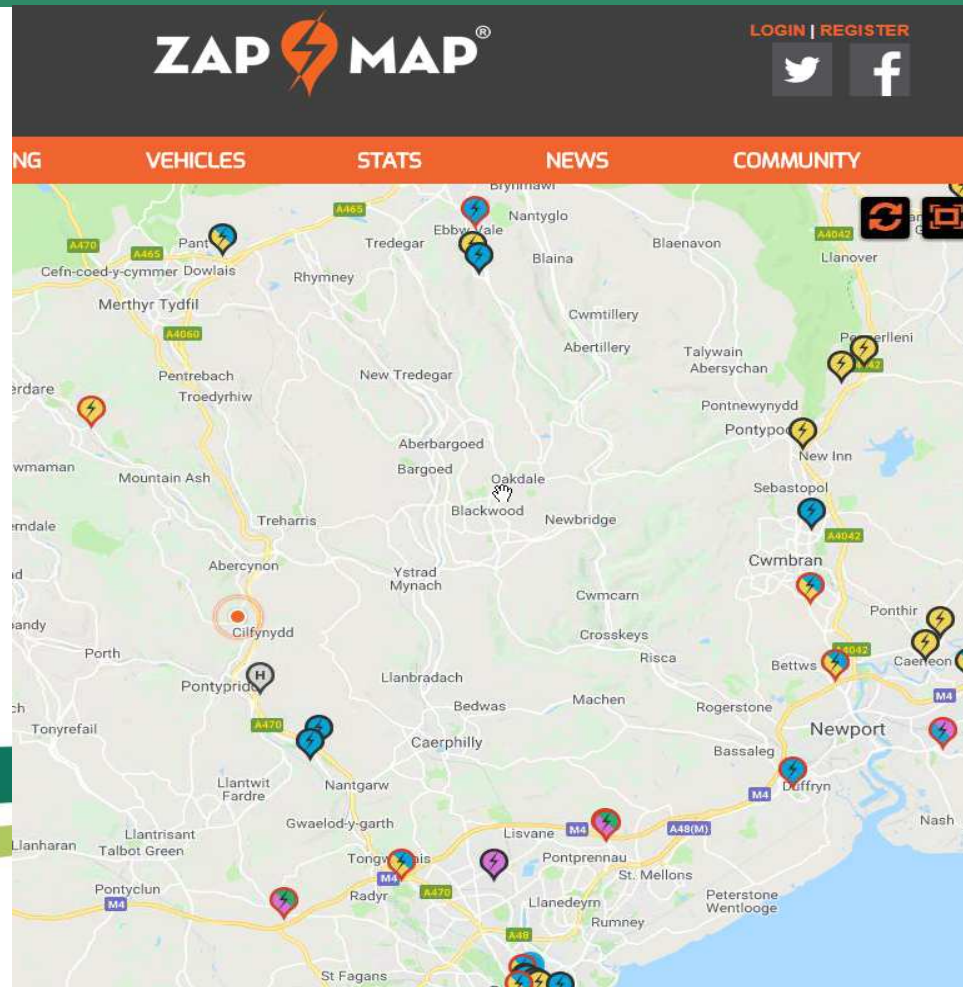
# Technology

- 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 Ystrad Mynach:**

- Oakfield Street (64)
- Ystrad Mynach Park and Ride (93)
- Car park near Ystrad Mynach Library (20)
- Hengoed Train Station (45)

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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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