

GreenTalk LIVE: Coventry's Transport Strategy Update

AGENDA

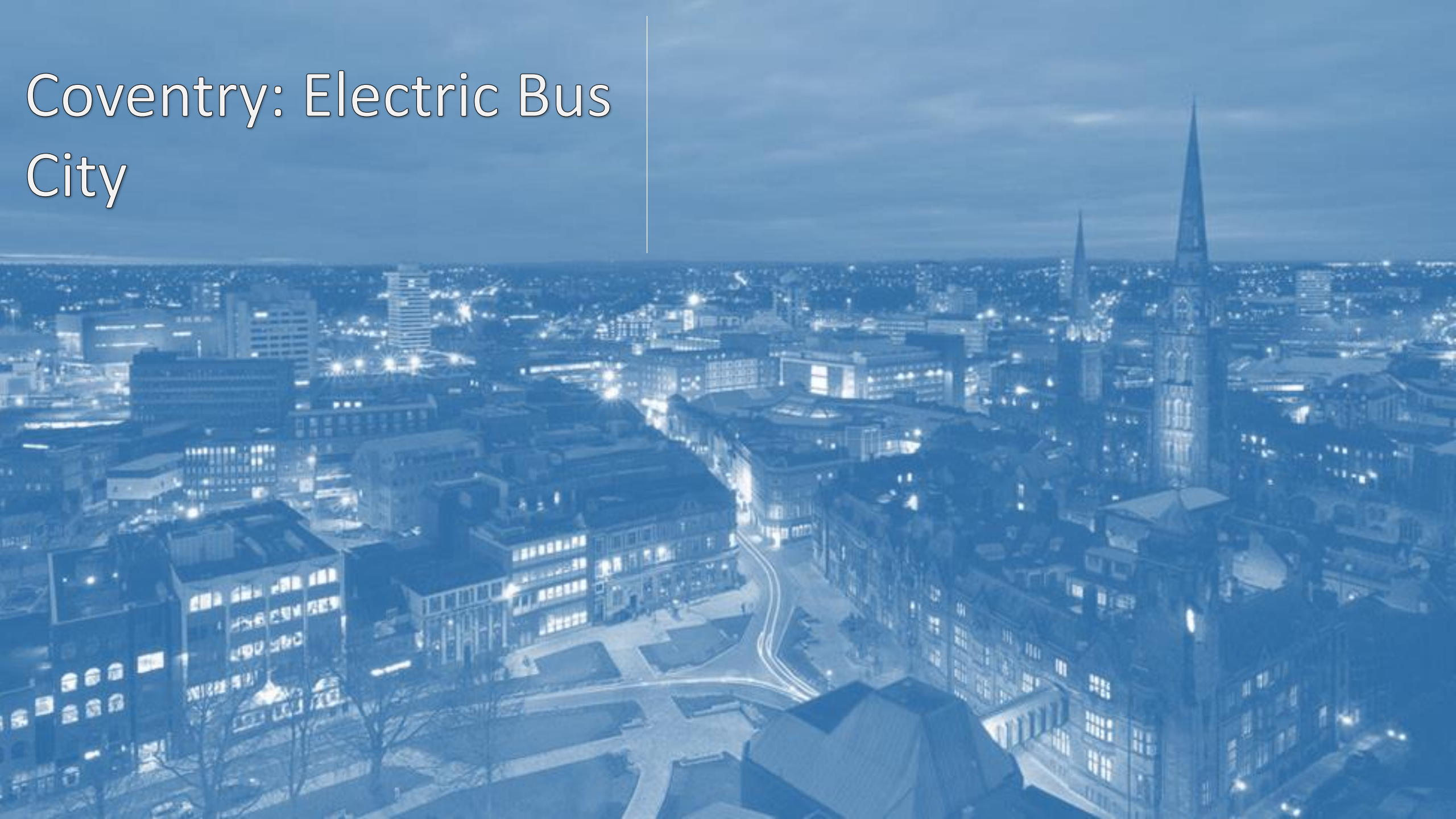
- 13.05 Coventry Electric Bus City – Shamala Evans-Gadgil, Project Manager, Transport, Coventry City Council
- 13.15 Update on transport projects – Amy Shakespeare, Electric Fleet First Project Manager, Coventry City Council
- 13.35 What's new – David Pipe, Senior Officer, Transport Strategy, Coventry City Council
- 13.45 What's coming - David Pipe, Senior Officer, Transport Strategy, Coventry City Council
- 13.55 Q & A
- 14.10 Why it is time for businesses to go green - Denise Osborne, Green Business Programme, Coventry City Council
- 14.30 Close of event

Transport Strategy Update Webinar

Coventry City Council

Hosted by Green Business Network

Coventry: Electric Bus City



Electric Bus City

- Department for Transport (DfT) launched the All Electric Bus Town (AEBT) fund in February 2020 with £50m made available in grant funding
- The Council, in partnership with Warwickshire County Council (WCC) and Transport for West Midlands (TfWM), submitted an Expression of Interest (EOI) to have 291 operational buses as electric buses in Coventry.
- 19 EOIs were submitted and DfT shortlisted two - Coventry and Oxford.
- A number of working groups have been established to oversee the delivery of this scheme involving the City Council, Transport for West Midlands, WCC officers and bus operators.



Electric Bus City

- The WMCA published a notice to make an Enhanced Partnership (EP) Plan for the West Midlands area
- This would enable an EP Scheme to be put in place requiring all future public bus services in Coventry city to be operated by zero-emission buses
- The timetable for implementing the Coventry Electric Bus City is between April 2021 and March 2025, with all buses operating in the city being electric buses by the end of 2025



Updates On Transport Projects In Coventry

Regulations on Taxis
Electric Vehicle Fleet
EO Charging (Workplace Charging)
Public EV Charge Points
Very Light Rail
Coventry Railway Station Opening
City Centre Public Realm



Regulations On Taxis

- Phased emissions-based requirements for taxi drivers over the next 3 years:
- 1 January 2022 vehicles for renewal/replacement purposes will have to be Euro 5 Emissions or above
- 1 January 2024 vehicles for renewal/replacement purposes will have to have Zero Emission Capability.
- To help inform and educate drivers on the available eco-friendly alternative Cabs, there is the electric fleet trial being offered to drivers of the trade. A driver can trial the LEVC TX5, Nissan Dynamo or the Nissan Leaf (PH) to help them understand how electric can benefit them.



Date from	Currently Licensed Vehicles	New Vehicle Applicants
1 st January 2020	Only vehicles with an emission rating of Euro 4 or above to be renewed	Required to have zero emission capability
1 st January 2022	Only vehicles with an emission rating of Euro 5 or above to be renewed	Required to have zero emission capability
1 st January 2024	Only vehicles with zero emission capacity to be renewed	Required to have zero emission capability

(Public Report: Hackney Carriage and Private Hire Vehicles Emissions. Aug 2019)

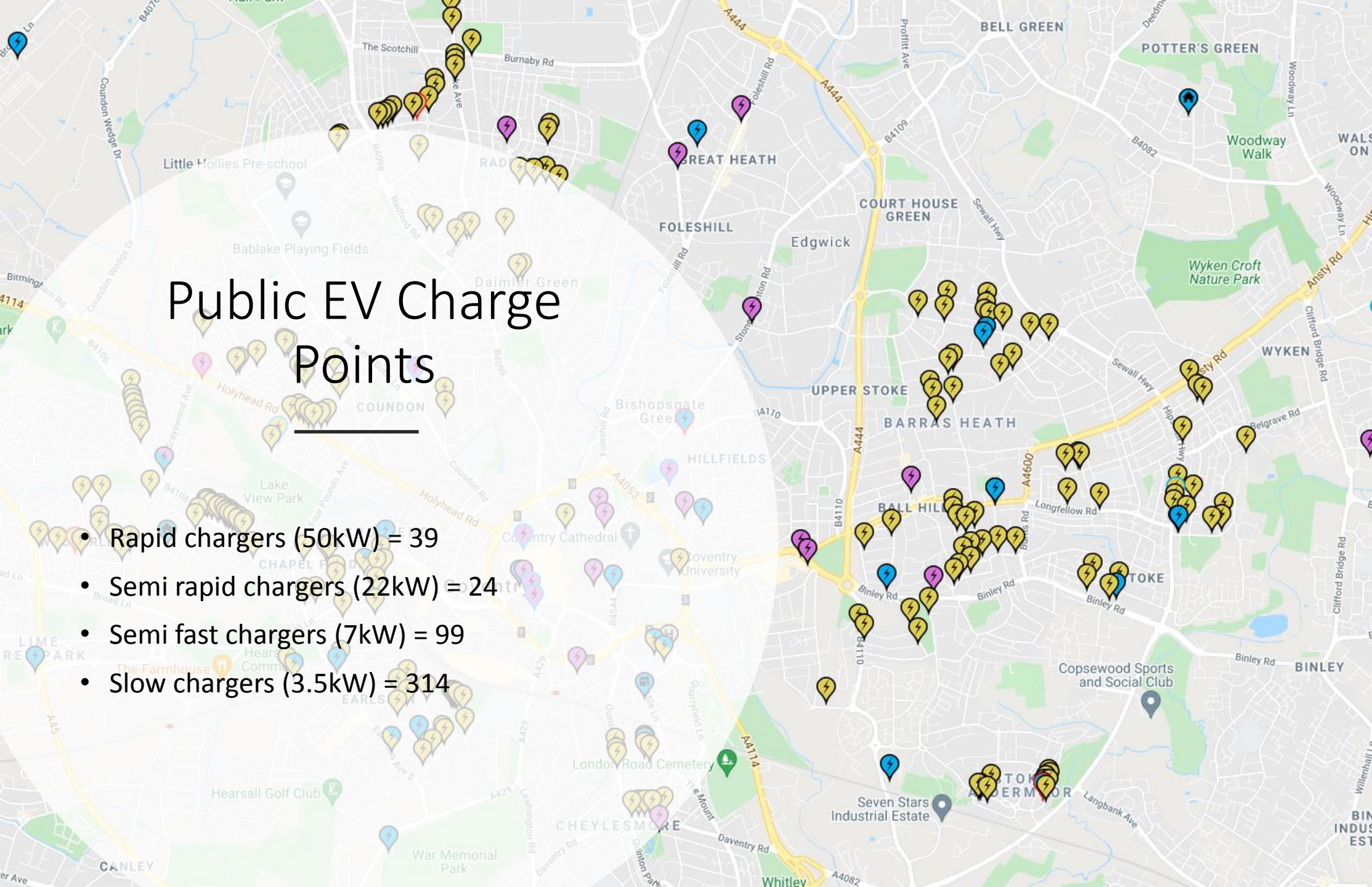
Electric Vehicle Fleet

- 2-Month trial for businesses and SMEs to experience E-Cars and E-Vans
- Only cost would be insurance for the period of the trial
- Free usage report at the end to see what cost savings and Nitron Oxide savings have been made
- 1-Month trial for taxi drivers of both the public and private trade to experience the hybrid and fully electric alternatives to help improve Coventry's taxi fleet.
- Find out more:
<https://www.coventry.gov.uk/electricfleet>



Public EV Charge Points

- Rapid chargers (50kW) = 39
- Semi rapid chargers (22kW) = 24
- Semi fast chargers (7kW) = 99
- Slow chargers (3.5kW) = 314

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- Fast - 7-22kW
- Slow - 3-6kW
- Public
- Hydrogen
- Charging (at least one device)
- Out of service (all devices)
- Zap-Home
- Zap-Work
- Status
- Charging
- Available to use
- No issues reported
- Out of service
- ICE'd (Internal Combustion Engine)
- Successful charge
- Connectors
- CHAdeMo
- Type 2 / Tesla
- 3-pin
- CCS
- Type 1
- Hydrogen

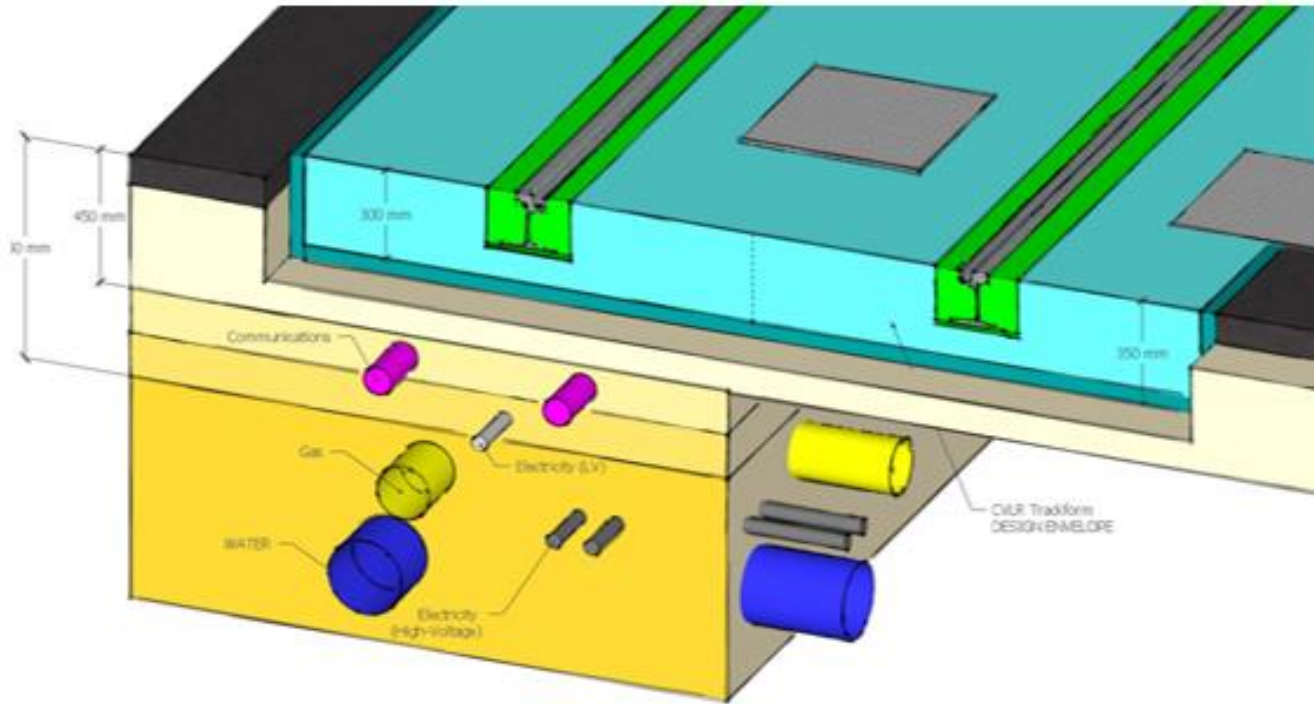
Very Light Rail: Vehicle update



- **Vehicle assembly complete**
- **Undergoing electrical and factory acceptance testing**
- **Transfer vehicle to Dudley Very Light Rail National Innovation Centre (VLRNIC) August 21 for testing vehicle on a standard track**



Very Light Rail: Track update



- **Track Concept Design complete May 21**
- **Components being manufactured with scale version manufactured Summer 21**
- **Funding required to construct Test Track Facilities at Dudley VLRNIC of new trackform**

Very Light Rail: Timeframe

2018 – 2022 – Research & Development:

- R&D progression including test track facility construction & integrated system proving

2022 – 2024 – Ongoing Performance Testing/ Consenting & Planning:

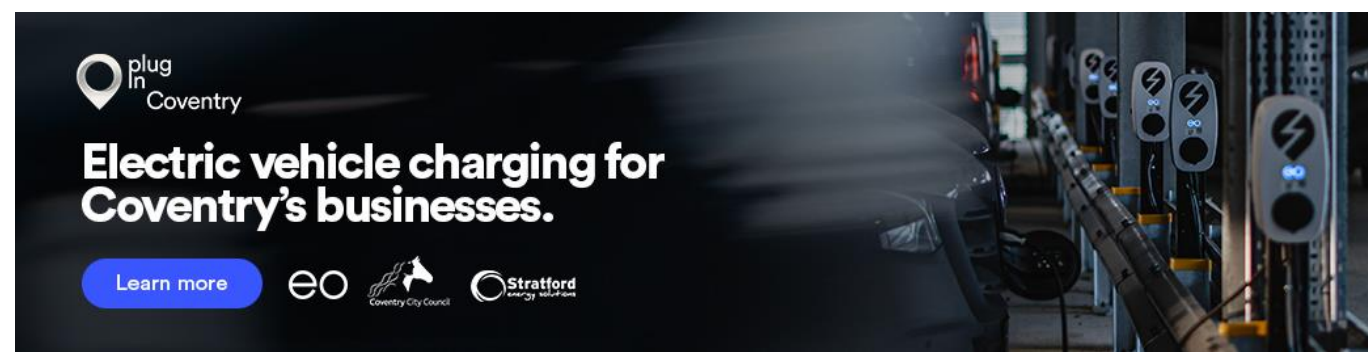
- Ongoing performance testing of vehicle and track
- All concept design, business case and Transport and Works Act Order application and determination

2024 – 2025 First Route:

- Detailed design and construction of a section of the first route



EO Charging (Workplace Charging)



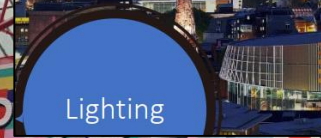
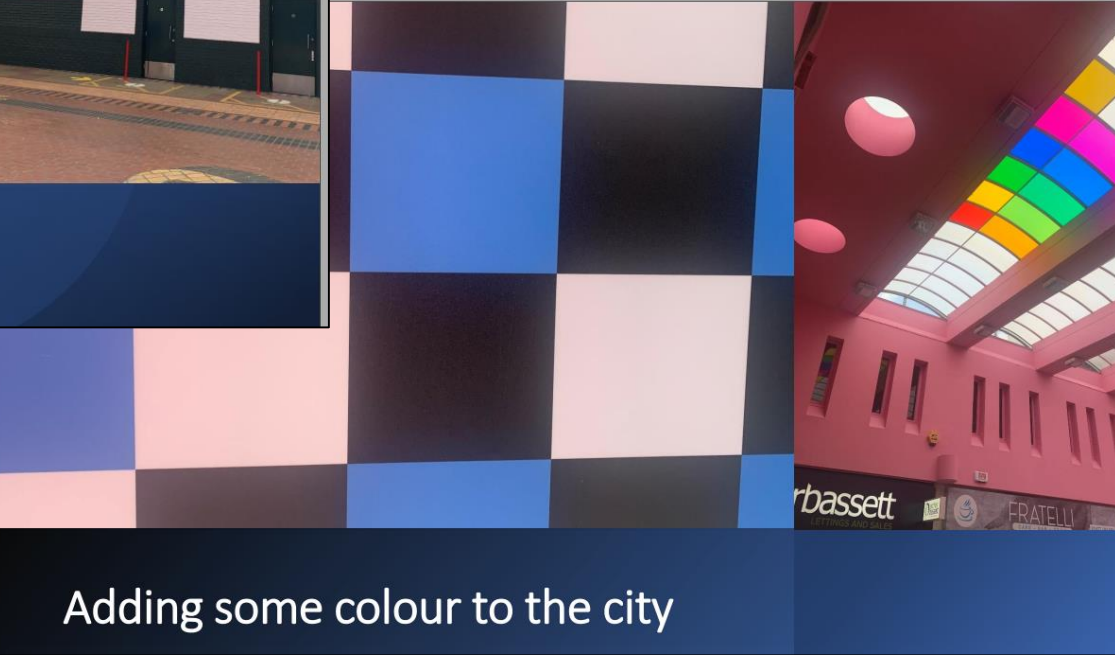
EO Charging Plug In Coventry

- EO Charging is a British manufacturer of EV chargers founded in 2015 and we are partnered with companies such as Ocado, DHL and Amazon.
- As part of the Plug In Coventry scheme you can get additional funding to install chargers at your business as well as the government OZEV grants.
- By 2030 approximately 50% of the vehicles on the road in the UK will be electric.
- Leasing and funded options available.
- Numerous Coventry based businesses already taking advantage of the funding available.
- Coventry City Council leading the way with multiple chargers installed in key location across the city as well as taking big steps to electrify their own fleet.
- Don't delay, Join the EV revolution today!



Public Realm

- Coming soon in time for City of Culture 2021!



Broadgate – social eating space

Adding some colour to the city



Coventry City Railway Station |

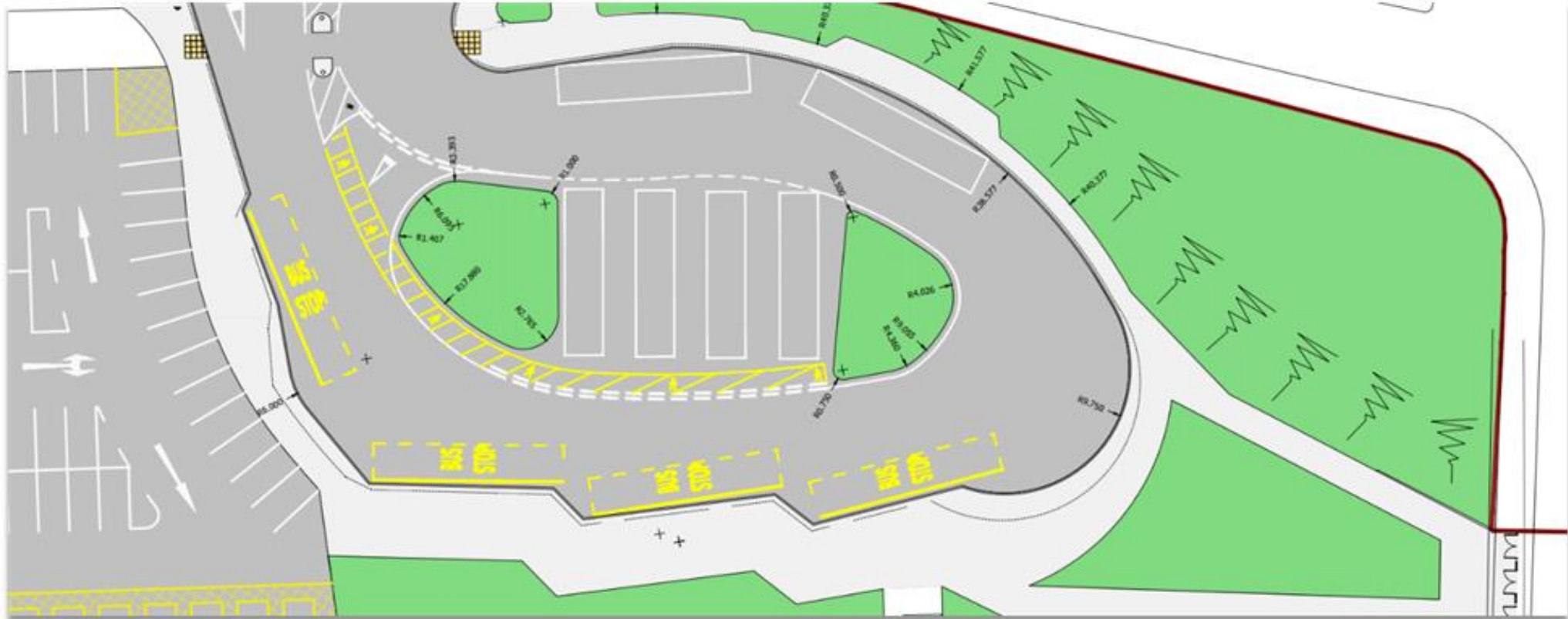
Railway Station Continued...

- This investment aims to deliver transformational extension of Coventry Railway Station, including new station concourse area, footbridge, creation of 633 space car park, transport interchange alongside public realm and highway improvements.
- The new facility will increase passenger capacity at the station and improve accessibility, creating new entrances from Station Square and Warwick Road. The new infrastructure provides step free access bus/rail interchange and contains lifts from the new car park directly to concourse and footbridge levels.
- Project due to be completed late summer 2021.



Transport Interchange

- WORKS ARE DUE TO START NEXT MONTH, THE NEW FACILITY WILL PROVIDE 4 BUS STOPS ALONGSIDE RAIL REPLACEMENT STOPS.
- A NEW TUNNEL UNDER WARWICK ROAD WILL PROVIDE DIRECT STEP AND TRAFFIC FREE ACCESS BETWEEN THE RAILWAY STATION AND TRANSPORT INTERCHANGE



What's new

Connected Kerb
Cycle Hire
E-Scooters
Mobility Credits
Demand Responsive Transport



Connected Kerb

- Charge point provider with 6 public charge points in the Holyhead Road area
- Currently offering a free EV trial for up to 10 for people who live or work in this area
- One month trial, no cost. Up to 10 winners
- Enter at <https://www.connectedkerb.com/evtrial>
- Let us know if you want to distribute competition info to your staff



**FROM JUNE 21
FOR SIX MONTHS**
* UP TO 10 DRIVERS WILL BE SELECTED



EV TRIAL SCHEME

**TRIAL A RENAULT ZOE ZE50
FOR FREE!**



Giving residents the chance to experience life with an EV!

If you live or work near one of the six charging sites, simply register your interest and tell us why you should be the proud ambassador of a Renault Zoe ZE50 at absolutely zero charge!*

*Eligibility Terms & Conditions apply, please visit: www.connectedkerb.com/evtrial/ for more information.

www.connectedkerb.com/evtrial | info@connectedkerb.com    

West Midlands Cycle Hire

The scheme is now live in Coventry, and you can have a free first ride if you get the App on your smartphone and use it to rent a bike before the end of November.

- Regional cycle hire scheme is providing 1500 bikes at docking stations across all 7 West Midlands local authorities
- Roll out has started, including docks in and around Coventry city centre and e-bikes are to follow.
- Local Supply Chain:
 - Bikes from Pashley Cycles in Stratford
 - Locking system from RDM Group, Coventry and PHA Europe, West Bromwich.
 - Docks from Universal Fabrications, Nuneaton
- Visit www.wmcyclehire.co.uk for more information and details of the free first ride offer.



E-scooter rentals

- E-scooter trial currently live at the University of Warwick campus
- Provided by Voi
- Wider rollout dependent on changes to legislation
- Download the Voi app at <https://apps.apple.com/app/id1395921017>



Mobility Credit Scheme

- Vehicle scrappage scheme - residents with an older, polluting car can exchange it for £3,000 of 'mobility credits'
- Credits can be spent on public transport, car club/car hire, taxi, bike share, e-scooter hire
- Live now - currently open to residents of 8 wards
- To apply click here → <https://www.coventry.gov.uk/mobilitycredits>



One of the first to wave goodbye to their car was mechanical engineer Mohammed Fasiuddin, from Foleshill. His 2006 grey Citroen C1, which he used for his daily commute to his office 16 miles away in Hinckley, has now been reduced to a six-foot lump of crushed steel.

He said: "I was a little sad to see the car go, but I haven't been using it as much as I used to before Covid. I'm working from home more now so the offer came at the right time for me to get rid of it.

"It is a good deal with £3,000 to use for public transport, or a taxi or uber or a hire car – I have a bus stop two minutes away which is very convenient. And I no longer need to worry about the car breaking down or failing the MOT and a huge repair bill at the garage."

Demand Responsive Transport (DRT)

- New 'on demand' bus service – no fixed route
- Order rides via the WM On Demand app
- University of Warwick service now live
- Further service to cover the East side of the city planned for later in the year – service area will include city centre, JLR, Binley Business Park, University Hospital
- Further information at <https://www.wmnetwork.co.uk/ways-to-travel/buses/on-demand-buses/>



What's next

- Dynamic Vehicle Charging
- Urban Airport
- Round up of other projects



Dynamic vehicle charging (DynaCOV)

- Pilot project to test charging an electric vehicle while it is moving
- Mostly aimed at larger, commercial vehicles. E.g. freight, buses
- Inductive loops, capable of charging a moving vehicle, are laid under the road surface. A receiver is placed in the car
- A desktop feasibility study is currently underway, ahead of a possible future trial in the city
- Would be the first project of its kind in the UK



Image: Gotland Island

Urban Airport

- 'Pop up' facility for drone transport
- Demonstrator project – aim is proof of concept
- Partnership with Innovate UK and Hyundai
- Likely to be onsite October – December
- Potential future applications –
Passenger transport? Freight delivery?
Disaster relief?



Other projects

- EV charging hubs and 'Super charging hubs'
- Transport Innovation Showcase
- Gigafactory



Original concept by SE, Images produced by BDS Architects, further modified by SE

COVENTRY & WARWICKSHIRE GREEN BUSINESS PROGRAMME

MIDLANDS
ENGINE

European Union

European Regional
Development Fund

What is it?

- A support funded programme for SMEs and organisations in Coventry and Warwickshire to help business become more energy/resource efficient and make the most low carbon opportunities

Who?

- All small to medium size businesses (SMEs) in Coventry and Warwickshire
 - Employ fewer than 250 employees
 - Have an annual turnover of not exceeding €50 million and/or an annual balance sheet not exceeding €43million
 - Have at least 50% of sales through business to business



COVENTRY & WARWICKSHIRE GREEN BUSINESS PROGRAMME

MIDLANDS
ENGINE



Energy/Resource Efficiency Grants

- Capital grants to improve energy/resource efficiency (Min £1K up to £50k)
- Grants of 40%
- Must save at least 1 tonne CO₂e per £1000 grant
- What can be supported?
 - Measures that save carbon
 - Typical measures include lighting - LED, heating, energy efficient equipment, transformers, power factor correction, renewable technologies, ventilation, refrigeration, recycling and waste - compactors, balers and crushers



COVENTRY & WARWICKSHIRE GREEN BUSINESS PROGRAMME

MIDLANDS
ENGINE

 **European Union**
European Regional
Development Fund

REMOTE ENERGY AUDITS

COVENTRY & WARWICKSHIRE GREEN BUSINESS NETWORK

As lots of businesses continue to work and communicate online during COVID-19, the Green Business Programme team are now adapting to new ways of working through remote energy audits. You can either send us photos or a video of the types of items listed below.

Lighting and electrical Lightbulbs (walls, inset, ceiling) Ceiling tubes (fluorescent tubes)	Heating and insulation Boiler(s) Electric/oil/gas heaters	Timers (if applicable) Air Con Units (if applicable)
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Energy Audits

As lots of businesses in our region continue to work & communicate online, we can offer energy audits remotely as well as face to face

- Download our handy guide on how an energy audit can work for you
- <https://bit.ly/cwremaudit>



COVENTRY & WARWICKSHIRE GREEN BUSINESS PROGRAMME

MIDLANDS
ENGINE



Our Highlights

Helping businesses to reduce their impact on the environment through funding for energy efficiency and renewable energy powered solutions

- We have assisted **112** businesses during Phase 2 of the programme to date
- Saving **1,200 tonnes** of CO2 emissions per year
- Allocated **£1.39 million** in grant funding to support these businesses during Phase 2 to date
- New jobs are being created
- **1,470** organisations have joined the Green Business Network



COVENTRY & WARWICKSHIRE GREEN BUSINESS PROGRAMME

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European Union
European Regional
Development Fund

Green Business Network

Membership is free and offers a range of benefits:

- Events and workshops
- Monthly newsletter – news, events new legislation, case studies
- Membership certificate
- Expert advice
- Enhance green credentials to secure new business
- Networking and supply chain opportunities (Inclusion in Green Business Directory)
- Currently have 1470 other organisations you can network with
- Signposting to other grants in the Council
 - ▶ Business Support
 - ▶ Investment
 - ▶ Innovation
 - ▶ Skills 4 Growth

COVENTRY &
WARWICKSHIRE
GREEN
BUSINESS
NETWORK



COVENTRY & WARWICKSHIRE GREEN BUSINESS PROGRAMME



European Union
European Regional
Development Fund

**MIDLANDS
ENGINE**

Coventry University and Coventry University Enterprises – Delivery Partner

Funds for services and consultancy

Revenue Grants up to £10k (40% intervention) to support the development of low carbon products and services, supporting activities including:

- Intellectual Property Protection
- Supporting new businesses to progress their innovations
- Licensing
- Prototype design and manufacture
- Product Testing
- Accreditations and Certifications

Examples of grants awarded:

- Prototype design and manufacture for hydrogen fuel cell vehicle
- Software application development for an App to enable carbon reduction by promoting car sharing




**Coventry
University**
Enterprises Limited



COVENTRY & WARWICKSHIRE GREEN BUSINESS PROGRAMME



European Union
European Regional
Development Fund

**MIDLANDS
ENGINE**

Coventry University and Coventry University Enterprises – Delivery Partner

Funds capital expenditure

Capital Grants up to £20k (40% intervention), supporting activities including:

- Equipment to manufacture new Low Carbon products
- Equipment to support introduction of new Green services including recycling and waste processing

Free expert 1-to-1 advice and workshops on a range of sustainable building techniques and technologies

- Passivhaus design and principals
- Sustainable refurbishment and energy efficiency strategies
- Building Information Modelling (BIM)



What we do

- Confidential environmental management assistance
- Provide bespoke registers of environmental and health and safety legislation
- Confidential site specific environmental legislation compliance audits
- Support clients with their environmental management systems to maintain ISO14001:2015

T: 02476 972060

E: businesssustain@coventry.gov.uk

<https://www.coventry.gov.uk/businesssustain>

CLIMATE CHANGE & SUSTAINABILITY

2021



SUSTAINABLE CITY

Setting up an independent 'Sustainable Development Commission' to address the major challenges of climate change and loss of biodiversity

CLIMATE COMMISSION



BUSINESS SUSTAIN

Migrating 170 current environmental and health & safety registers to the online portal. Portal will be launched in June for new clients

LAUNCH OF ONLINE PORTAL



CLIMATE VIEW

We have subscribed to Climate View software programme to help us plan, understand, and visualize the shifts necessary to address the urgent climate crisis

CLIMATE GOALS



NEW OPPORTUNITIES

We will continue to bid for funding to support the sustainability agenda

FUNDING STREAMS

CLIMATE CHANGE STRATEGY

DELIVERING A SUSTAINABLE FUTURE

Development of a new climate change strategy engaging with key stakeholders. The strategy will be at the forefront of low carbon innovation to benefit the local economy

PARTNERSHIP

NET ZERO JOURNEY

Development of partnerships in delivering a major step change in energy infrastructure for the city

INCREASE ONLINE OFFER

GREENTALK LIVE

Our GreenTalk LIVE webinars continue with a busy programme planned

DECARBONISING ENERGY

REGIONAL ENERGY SYSTEM OPERATOR

Final design of West Midlands RESO project which will look at new energy system including low carbon energy generation, storage and management

REMOTE ENERGY AUDITS

As lots of businesses continue to work remotely, the Programme team are now adapting to use photos or a video of the types of items

- Lighting and electrical
- Lightbulbs (walls, inset, ceiling)
- Ceiling tubes (fluorescent tubes)

Adapted to new ways of working

COVENTRY & WARWICKSHIRE GREEN BUSINESS NETWORK

The Green Business audits. You can either send

- (if applicable)
- Units (if applicable)

Digital transformation for environmental management e.g. air quality

Changes



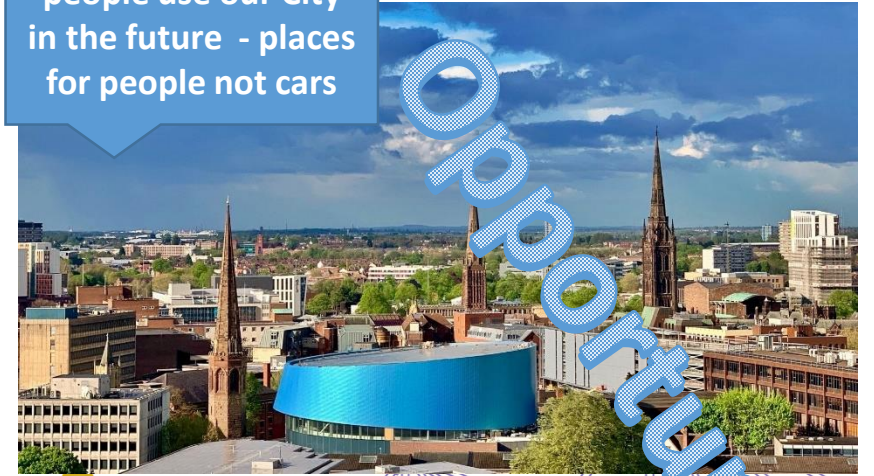
Active Travel Plans – changing transport behaviour

Partnership working in a new way

Creating green spaces in our City



Opportunity to change the way people use our City in the future - places for people not cars



Opportunities

New Station Car Park

- Circa 630 spaces, 7% levels, includes 150 non-rail spaces for Fr
- Height of 23m, two lifts and open 24 hours a day
- The car park area will be adjacent to the New Station Building/Station Square
- 16 lifts to be installed for opening, will increase up to 50% demand rises



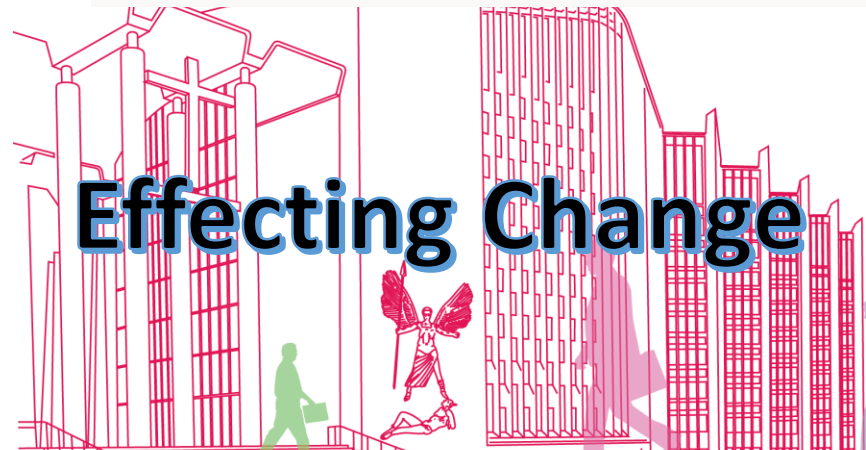
Green Funding Opportunities



Addressing fuel & food poverty



Effecting Change



COVENTRY & WARWICKSHIRE GREEN BUSINESS PROGRAMME

MIDLANDS
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Green Business Programme

Contact us

Telephone: 024 7697 2046

Email: GreenBusiness@coventry.gov.uk

Website: www.coventry.gov.uk/greenbusiness

Twitter: [@cwgreenbusiness](https://twitter.com/cwgreenbusiness)

Join our LinkedIn group

