

Coventry The Electric City

Coventry City Council
Transport and Sustainable Officers

The Electric City

Why we want hold these webinars?

- With the current prevailing COVID-19 conditions, keeping the businesses informed on the measures the City Council are hoping to implement is very important
- Carrying out informal consultation
- Coventry city Council feels that taking the business on the journey is very important
- Provide engagement platform for the businesses

COVID-19

Emergency Active Travel Plan

What has happened on our roads since Covid?

- Less travel overall but public transport has been affected the most
- Car traffic also down but not by as much, and this is rising again now
- More people walking and cycling
- 30-40% reduction in air pollution

What are we trying to do as a result?

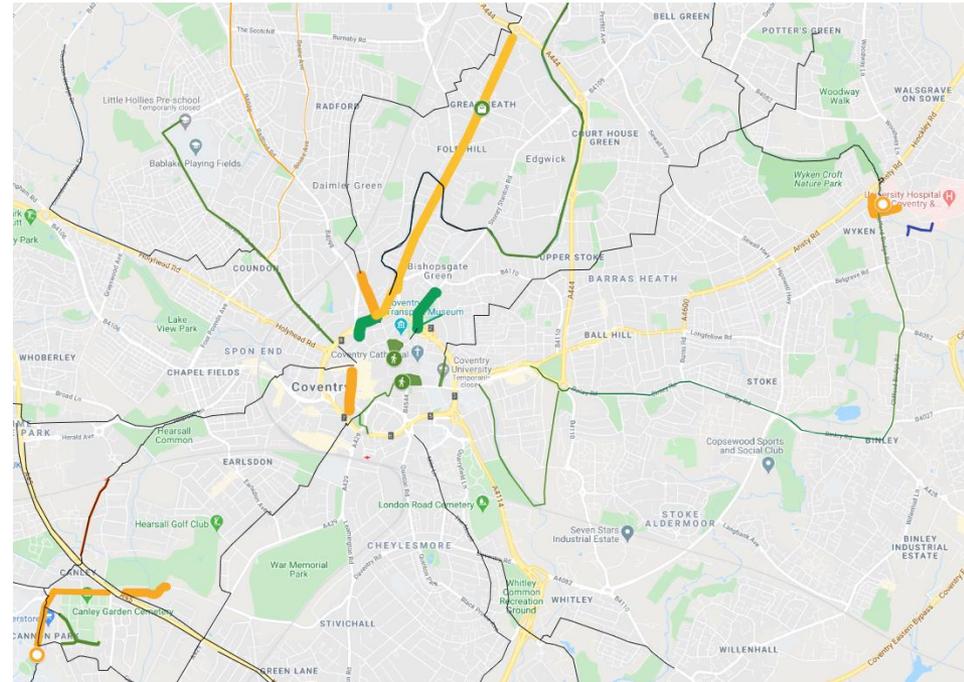
- Promote 'active travel' as the preferred method of travel
- Encourage more of those who still need to drive to go electric
- Continue to invest in public transport, for the long term
- 'Lock in' the health and environmental benefits of lower traffic levels

COVID-19

Emergency Active Travel Plan

Promoting active travel:

- Initially temporary infrastructure improvements
- Stage 1 (green) mainly focused on the city centre
- Details of stage 2 (orange) depend on further funding
- Plus a package of supporting measures, including cycle training and help with travel planning



COVID-19

Emergency Active Travel Plan

Also:

- E-scooter trial, to begin this Summer
- More city centre cycle parking
- And still progressing longer term plans, including:
 - Permanent cycle routes to connect the city centre to Coundon and Binley
 - Public realm improvements in the city centre
 - Major upgrades to Coventry Station
 - Traffic signal and junction improvements



The Electric City

Why Electrify Coventry?

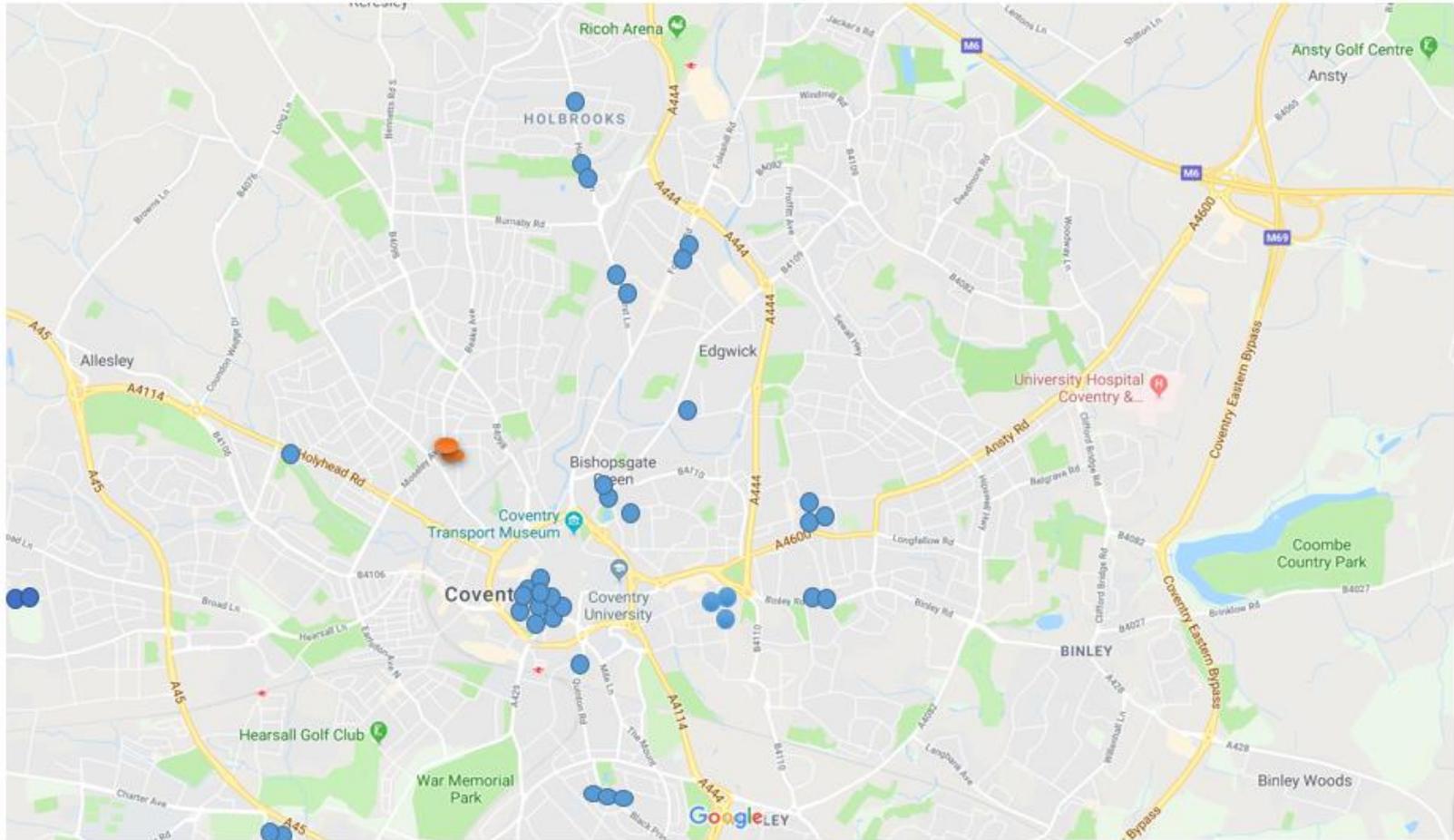
- Climate Change Strategy
- Coventry Local Air Quality Action Plan
- Electrification of Coventry will boost jobs and growth in local economy post COVID-19.
- With people being urged not to use public transport it is more important than ever to electrify cars to avoid a worsening in air quality and an increase in Carbon emissions.



EV Charging Background

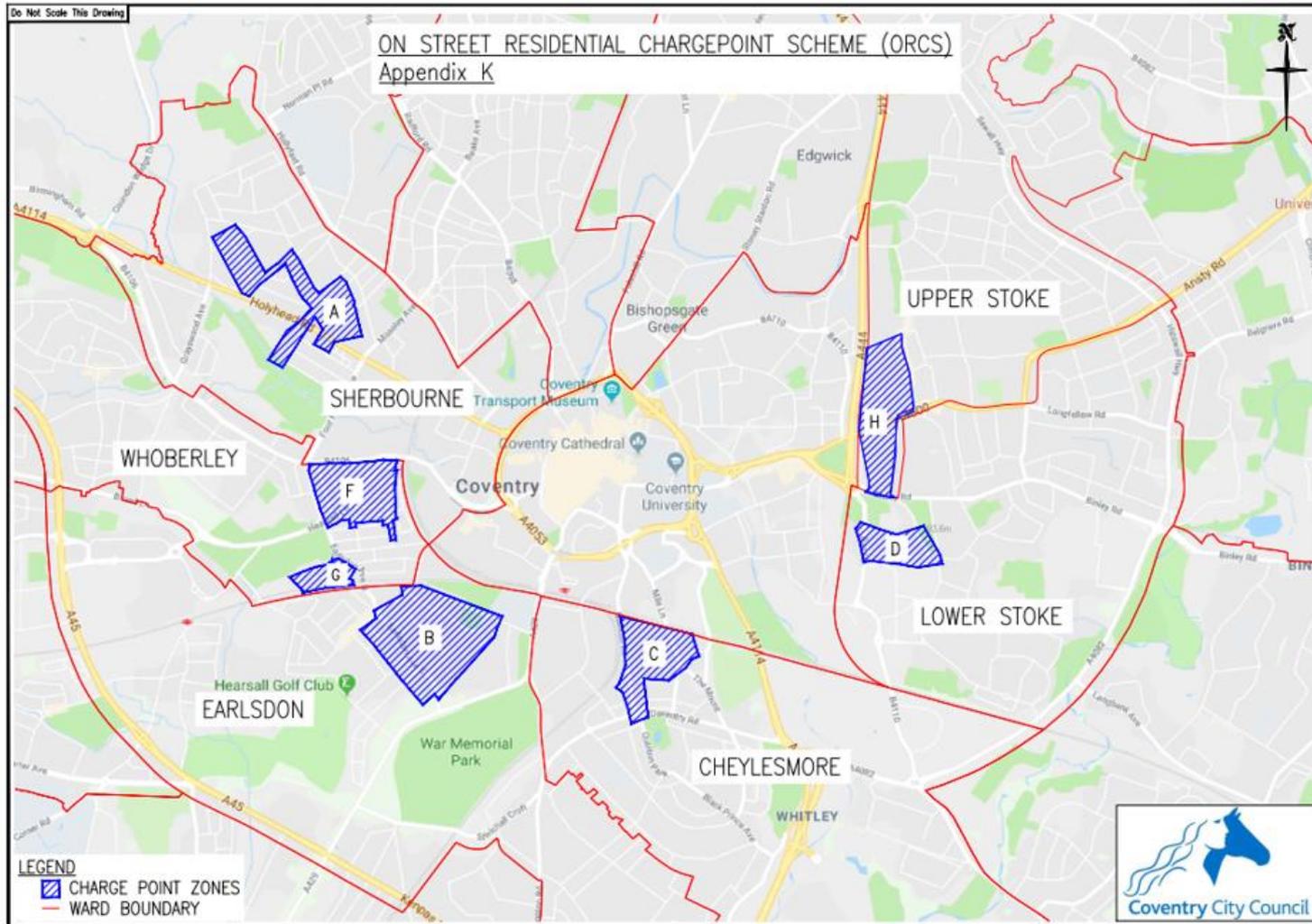
- Coventry has been named in the top three of a national league table highlighting the towns and cities with the most electric vehicle charge points in November 2019.
- With more than 170 charge points, the city was named third in the standings, with only London and Milton Keynes having more.
- Coventry has 178 operational chargers with further 130 chargers being commissioned by September 2020. Coventry is also bidding for further 100 Onstreet Residential Chargepoints.
- ULEB – OLEV grant funding of £2.255m for 10 electric buses in partnership with National Express
- Work Place Charging –OLEV grant funding of £10,000 for 20 fast chargers at Council's properties
- All Electric Bus Town [AEBT], A better deal for buses funds of £50M – Coventry City Council have submitted an Expression of Interest is leading the all electric bus city flag with support from Warwickshire County council which will see some greening bus corridors along the cross boundary routes

Rapid Charging Coverage

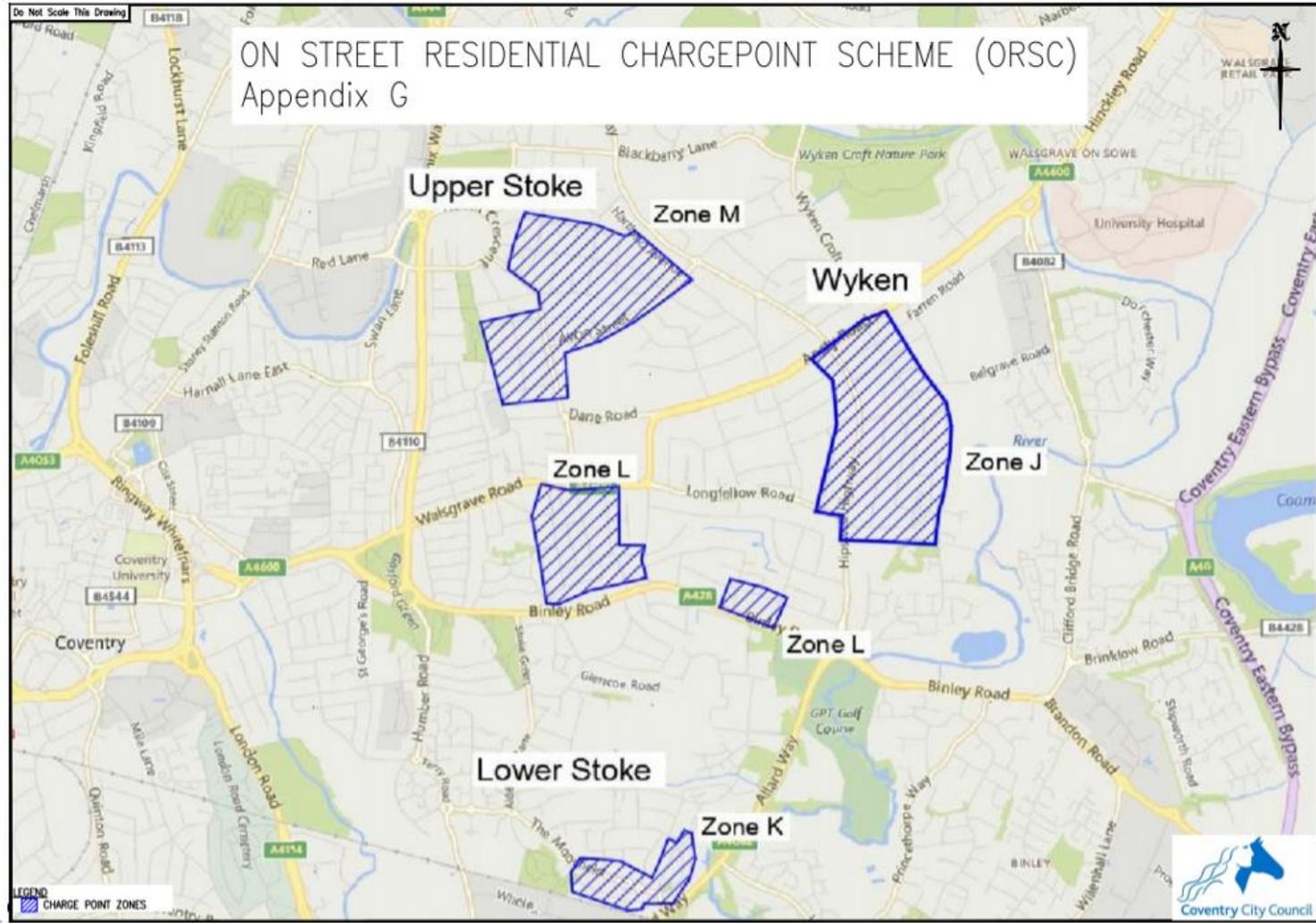


- = Rapid charge points [50kW] – installed
- = Rapid charge points [50kW] – to be installed

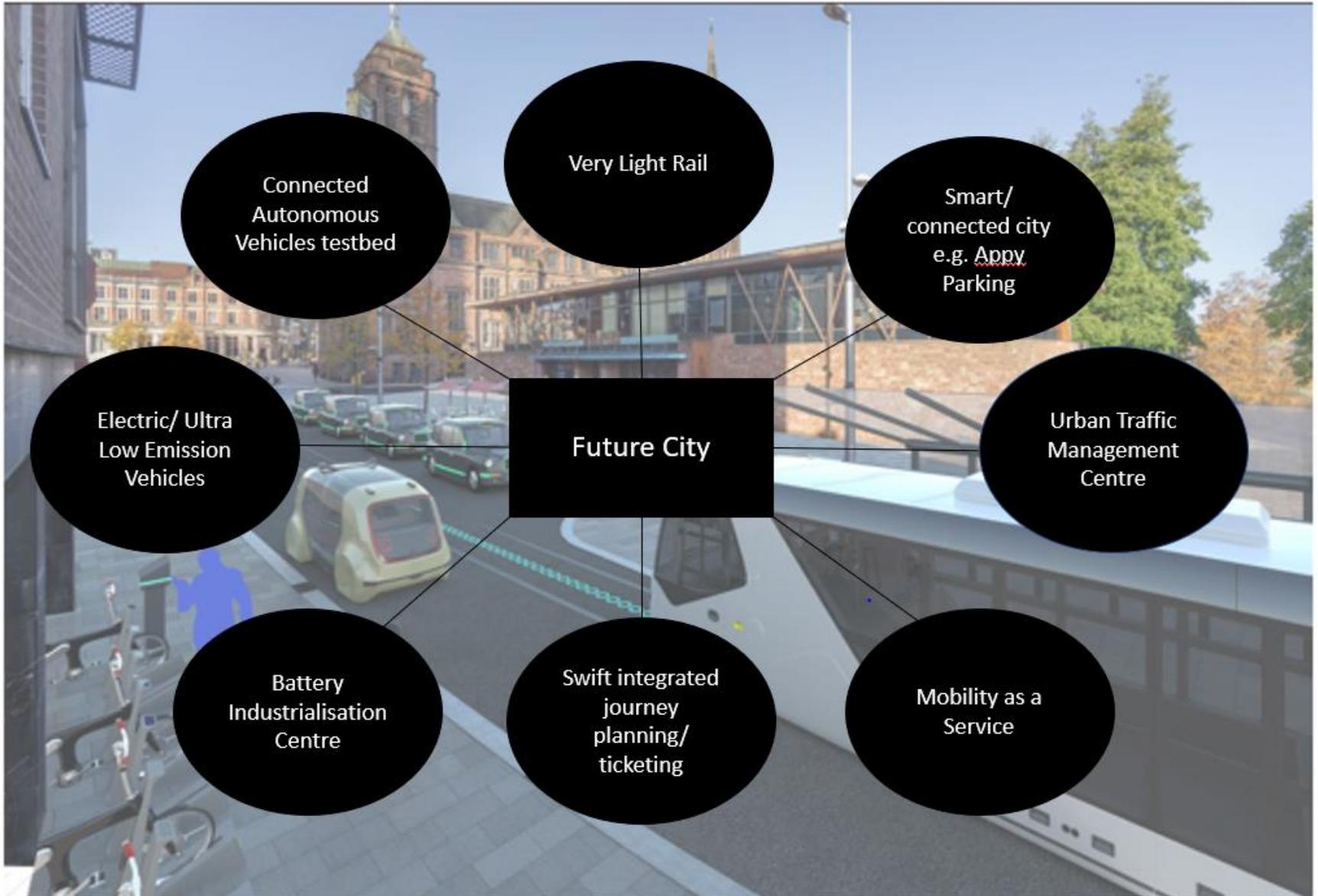
ORCS Charging Phase 1 Coverage



ORCS Charging Phase 2 Coverage



VISION: Integrated Transport Solution



Future Cities

Increasing Coventry's attractiveness as a place to live,
work and study





Thank you
Any questions?

COVENTRY & WARWICKSHIRE
GREEN BUSINESS
PROGRAMME

MIDLANDS
ENGINE



European Union
European Regional
Development Fund

Denise Osborne
Marketing & Events Co-Ordinator
Green Business Programme

T: 024 7697 2046 W: coventry.gov.uk/greenbusiness

 [@cwgreenbusiness](https://twitter.com/cwgreenbusiness)  <http://bit.ly/greenbusinessprogLinkedin>



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



European Union
European Regional
Development Fund

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 supported **213** companies since the Programme launched
- There have been over **12,349 tonnes** of CO2 savings
- Provided over **£2.78 million** in grant funding to support these businesses
- 60 new jobs have been created
- 1078 organisations have joined the Green Business Network



powered by
PIKTOCHART

COVENTRY & WARWICKSHIRE GREEN BUSINESS PROGRAMME



MIDLANDS
ENGINE

Phase 2– (2019-2021)

- Energy and resource efficiency grants - £1k-£50k (with 40% intervention)
- Free energy and resource efficiency audits to help identify energy, water and waste savings
- Continued free membership to the Green Business Network
- Access to other specialist support to enable growth and innovation
- Free events, workshops, webinars and 1:1 support

Extension – (June 2023)

- Confirmation that additional £1.14m grant funding
- Additional £118k revenue grants
- Provided by Coventry City Council & Coventry University Enterprises



COVENTRY & WARWICKSHIRE GREEN BUSINESS PROGRAMME



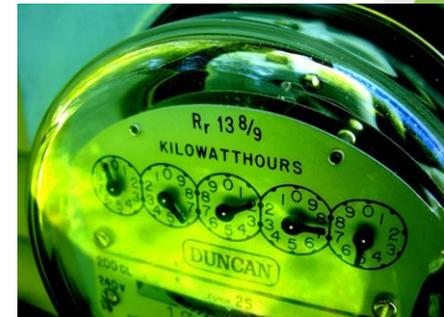
European Union
European Regional
Development Fund

MIDLANDS
ENGINE

Energy/Resource Efficiency Audits

Identify potential energy/resource efficiency measures

- Audit looks at: Building fabric, energy bills, heating, lighting, equipment, process, water, waste, behavioural
- Includes estimated capital costs, energy savings & payback periods – used to provide a business case
- Energy/resource efficiency report



COVENTRY & WARWICKSHIRE GREEN BUSINESS PROGRAMME

MIDLANDS
ENGINE

European Union
European Regional
Development Fund

Remote Energy Audits

As lots of businesses in our region continue to work & communicate online, we are adapting

- Energy advisor can work with your business remotely via online Teams – send us bills/photos/videos
- Download our handy guide on how a remote energy audit can work for you
- <https://bit.ly/cwremaudit>
- Completed several during the last few months

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)



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

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 1078 other organisations you can network with
- Signposting to other grants
 - ▶ Business Support
 - ▶ Innovation
 - ▶ Skills 4 Growth

COVENTRY &
WARWICKSHIRE
GREEN
BUSINESS
NETWORK



COVENTRY & WARWICKSHIRE GREEN BUSINESS PROGRAMME

MIDLANDS
ENGINE

European Union
European Regional
Development Fund

Upcoming Events and Webinars

NEW GreenTalk LIVE webinars to be launched soon

Date TBC 2020

- Smart Cities – Coventry Transport Museum

For more information visit <http://bit.ly/cwgreenevents>



COVENTRY & WARWICKSHIRE GREEN BUSINESS PROGRAMME



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 & WARWICKSHIRE GREEN BUSINESS PROGRAMME

MIDLANDS
ENGINE



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>

Coventry's Climate Change Strategy

- UK Government announced its net-zero commitment by 2050
- Coventry's current strategy published in 2012 set a target to reduce carbon dioxide emissions by 27.5% by the year 2020. Coventry achieved this in 2014 (6 years early)
- The current Climate Change Strategy for the City ends in 2020 and is now under review



CDP A List City 2019



- The City has been recognised as a global leader on climate action and transparency
- To score an A, a city must have a city-wide emissions inventory
- Have set an emissions reduction target
- Published a climate action plan





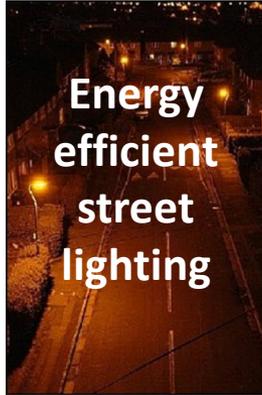
Reducing our emissions across the City



178 charge points have been installed
130 – Sept 2020



Heatline – energy shipped from waste plant via 6.6km pipelines to major City Centre buildings.



Existing Street Lighting



New Street Lighting



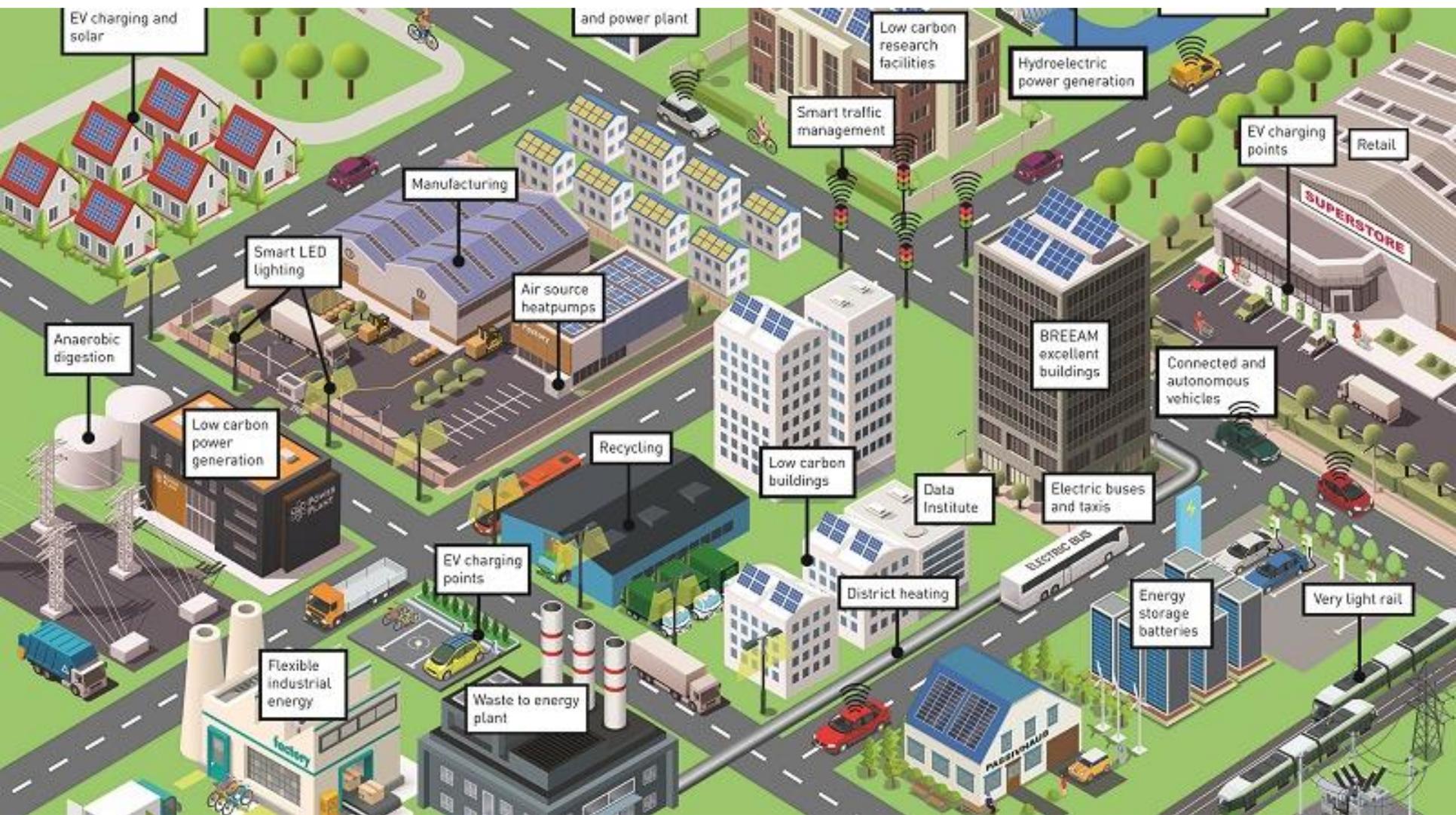
Electric taxis operating in Coventry with more on the way.



Park That Bike

- Transport for West Midlands have launched Cycle Parking
- Businesses can apply for free bike racks at their premises
- Encourage more cycling
- Apply at [Transport for West Midlands](#)





EV charging and solar

and power plant

Low carbon research facilities

Hydroelectric power generation

Smart traffic management

EV charging points

Retail

Manufacturing

Smart LED lighting

Air source heatpumps

SUPERSTORE

Anaerobic digestion

Low carbon power generation

Recycling

Low carbon buildings

BREEAM excellent buildings

Connected and autonomous vehicles

Electric buses and taxis

EV charging points

District heating

Energy storage batteries

Very light rail

Flexible industrial energy

Waste to energy plant

Data Institute

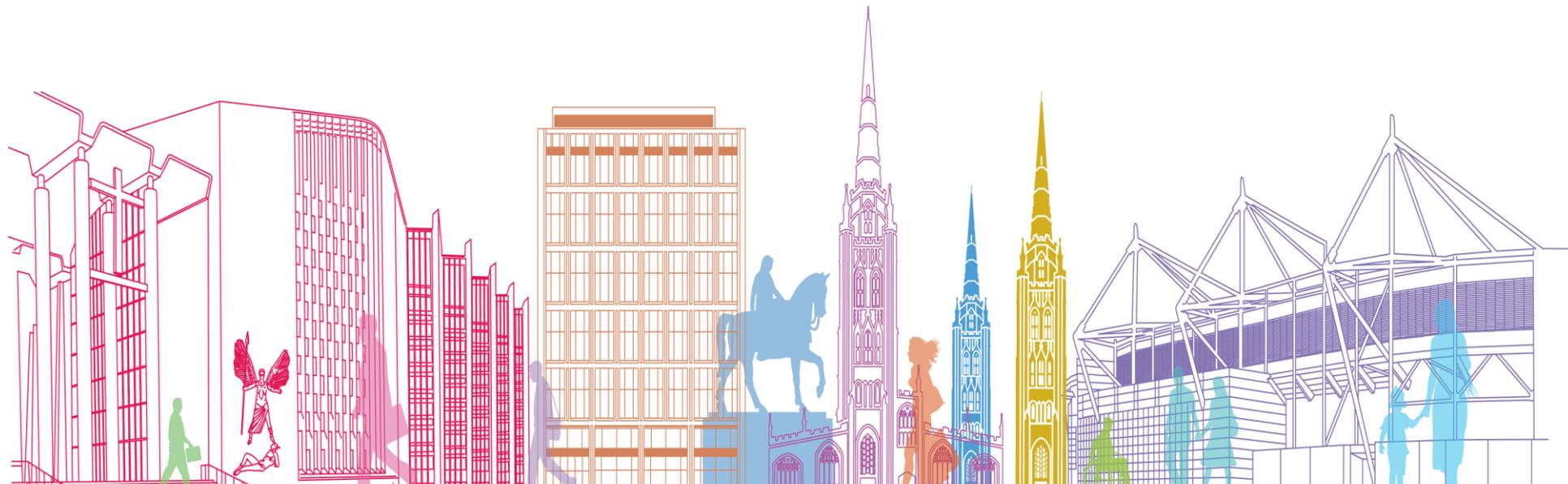
Electric BUS

PAFFENHAUER

Coventry's Climate Change Strategy

The Council is very committed to tackling climate change in the City

- Our new Head of Service, Bret Willers is overseeing and developing our Climate Change work
- Strategy will ensure that Coventry is at the forefront of low carbon innovation
- Climate Change Strategy will require significant engagement with stakeholders in the City, including businesses, residents, universities, health providers and community groups
- Green Business Programme extension confirmed – work with more businesses



Key players in Coventry

- **Universities** - Coventry University and Warwick University
- **Schools and Colleges**
- **Utilities** – Severn Trent and E-On
- **Power** – Western Power & National Grid
- **Transport** – National Express & Avanti Trains
- **Automotive** – Jaguar & LEVC
- **Infrastructure** – BIC
- **Housing** – Orbit, Whitefriars & Developers
- **Health** - Public Health England, UHCW & Coventry and Warwickshire Partnership NHS Trust
- **Industry** – Amazon, Sainsburys Ansty Park, McDonalds Distribution Centre
- **Community** – Community Groups, Charities, Residents, Businesses
- **Regeneration & Culture** – City of Culture 2021, Historic Coventry & WWT



COVENTRY & WARWICKSHIRE GREEN BUSINESS PROGRAMME

MIDLANDS
ENGINE

Case studies of organisations that are going green

T: 024 7697 2046 W: coventry.gov.uk/greenbusiness

 [@cwgreenbusiness](https://twitter.com/cwgreenbusiness)  <http://bit.ly/greenbusinessprogLinkedin>



COVENTRY & WARWICKSHIRE GREEN BUSINESS PROGRAMME



3P innovation

- World-class engineering and process automation company based in Warwick
- Invested £395,000 to reduce carbon emissions
- £69k energy efficiency grant
 - LED energy efficient lighting throughout the building
 - New high efficiency gas fired modulating heaters that save 30% on fuel costs
 - High performance air conditioning system
 - New air compressor achieving savings of between 20% and 30%
 - Installation of solar panels
- Estimates saving 153.3 tonnes of CO2 emissions per year
- 290,000kWh of energy usage having been reduced



COVENTRY & WARWICKSHIRE GREEN BUSINESS PROGRAMME

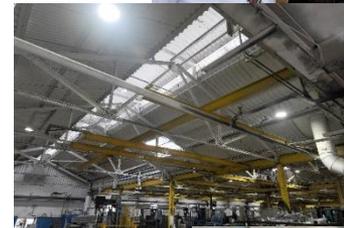
MIDLANDS
ENGINE



Sarginsons

Aluminium Diecasting

- Were spending £370,000 per annum electricity and gas
- £26,000 energy efficiency grant
 - 2 recuperation gas furnaces
 - Variable speed air compressors and drying equipment
 - LED lighting throughout
 - Power Factor Correction
- Payback – 1.5 year
- 335 Tonnes CO2 saving/ annum
- Saving £50k per annum in energy bills



COVENTRY & WARWICKSHIRE GREEN BUSINESS PROGRAMME

MIDLANDS
ENGINE



Technoset

Engineering business based in Rugby

- Make their premises more eco-friendly and save them money on bills
- £47,000 energy efficiency grant (invested £117k)
 - LED energy efficient lighting throughout the factory
 - Extension of the heat ducting from Factory 2 into Factory 1
 - Installing a shut off switch on the roller shutter door
 - Installing a new solvent based component cleaning machine
- Technoset anticipates to see their energy bills drop by 33%
- Helping to reduce 62 tonnes of CO2 emissions per year.





COVENTRY & WARWICKSHIRE GREEN BUSINESS PROGRAMME



2020 Queen's Award for Enterprise



COVENTRY & WARWICKSHIRE GREEN BUSINESS PROGRAMME

MIDLANDS
ENGINE



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

