



Coventry Station Masterplan

3rd September 2020

The Challenge

- Coventry is UK's 13th largest city, facing unemployment 6.6%, which is above West Midlands (5.7%) and national average of 3.7% (2019 figures)



- The city has aspirations to strengthen its high growth economy, requiring commercial and housing development to support growth – 45,000 new jobs & 42,000 new homes by 2031.
- Improving transport connections is critical to facilitate growth, rail has vital role to play.
- HS2 bypasses Coventry and could potentially mean a reduction in the some of the fast London services Coventry benefits from
- Investment in rail infrastructure to enhance case for retention of fast London services and help to provide better connectivity, including direct services to East Midlands

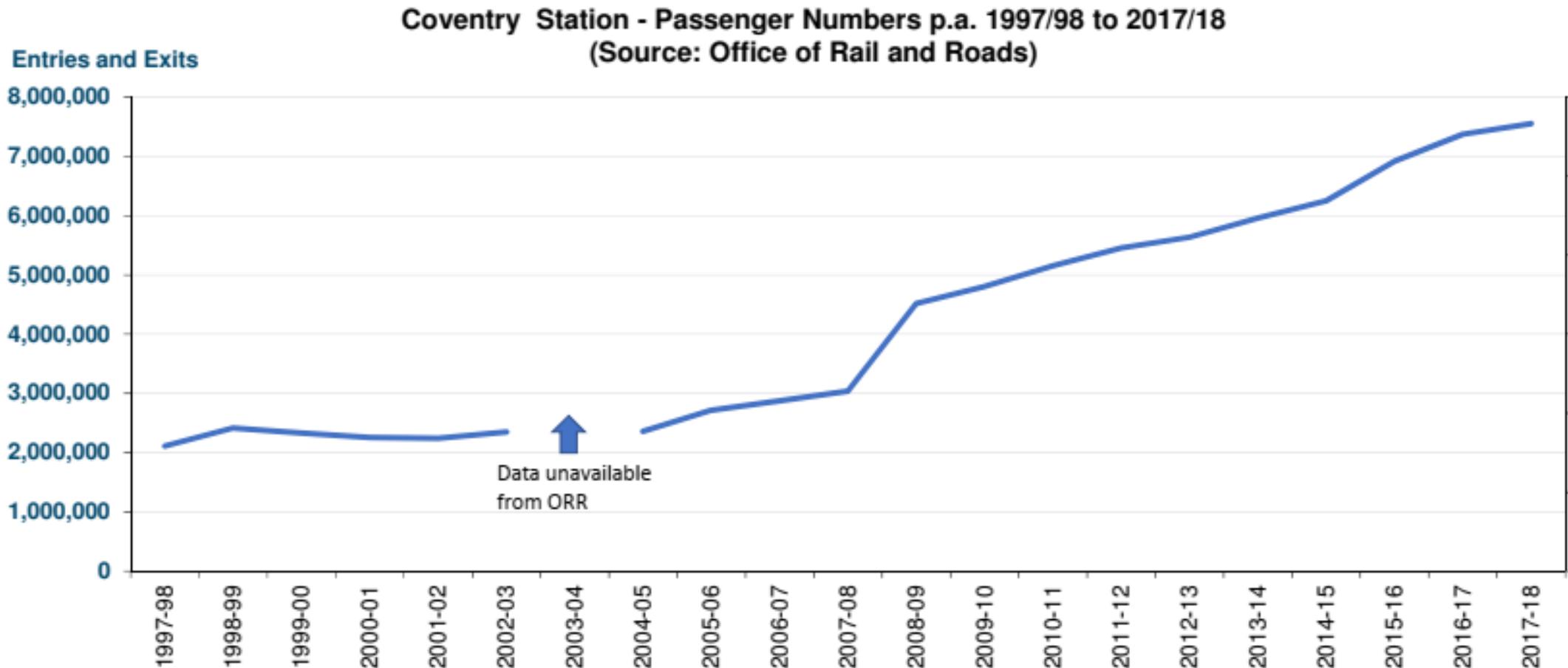
Coventry Rail Story

- The Coventry Rail Story has been developed in response to the challenges presented by HS2, significant passenger growth and projected future growth at Coventry Railway Station
- Existing building opened in 1962, Grade II listed, limited opportunity for expansion to cater for capacity
- Coventry Station Masterplan has been developed to provide a fitting gateway to the city, delivering high quality infrastructure and a seamless transport interchange to support rail growth



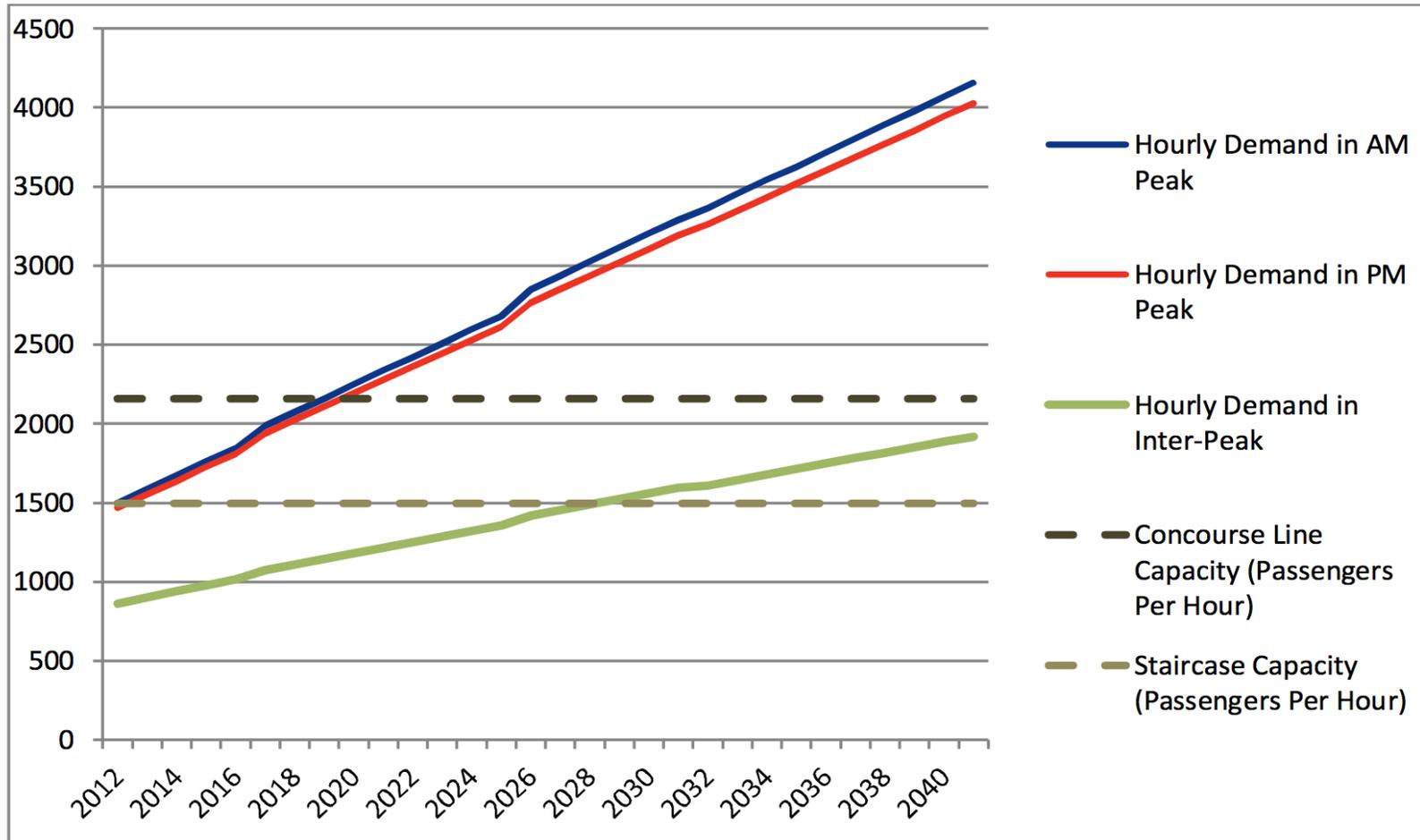
Rail Growth at Coventry Railway Station

There has been a significant growth in passenger numbers at Coventry Railway Station, more than doubled in last 10 years and continuing to grow, making it one of fastest growing stations outside of London.



Forecast passenger growth

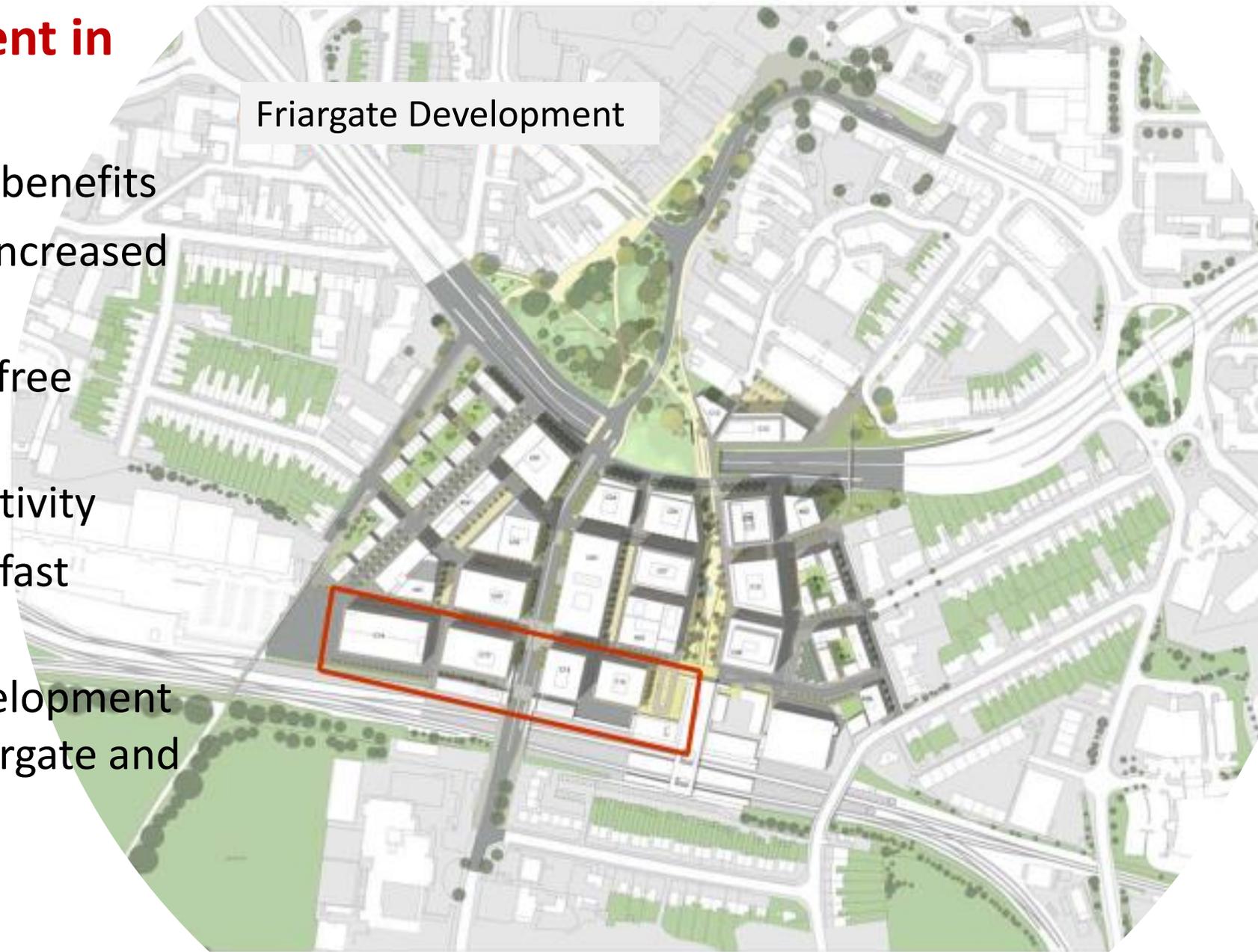
Hourly Demand vs Capacity Levels



- Station stairs and concourse now at capacity during peaks.
- Currently 2000+ passengers hourly, projected to increase to 4000+ passengers per hour by 2043

Wider Benefits of investment in railway station

- Environmental and air quality benefits
- Promoting physical activity – increased walking and cycling
- Improving accessibility – step free access
- Improving rail and bus connectivity
- Help the case for retention of fast London services
- Supporting regeneration, development & job creation – including Friargate and City Centre South
- Supports housing growth



Coventry Station Masterplan

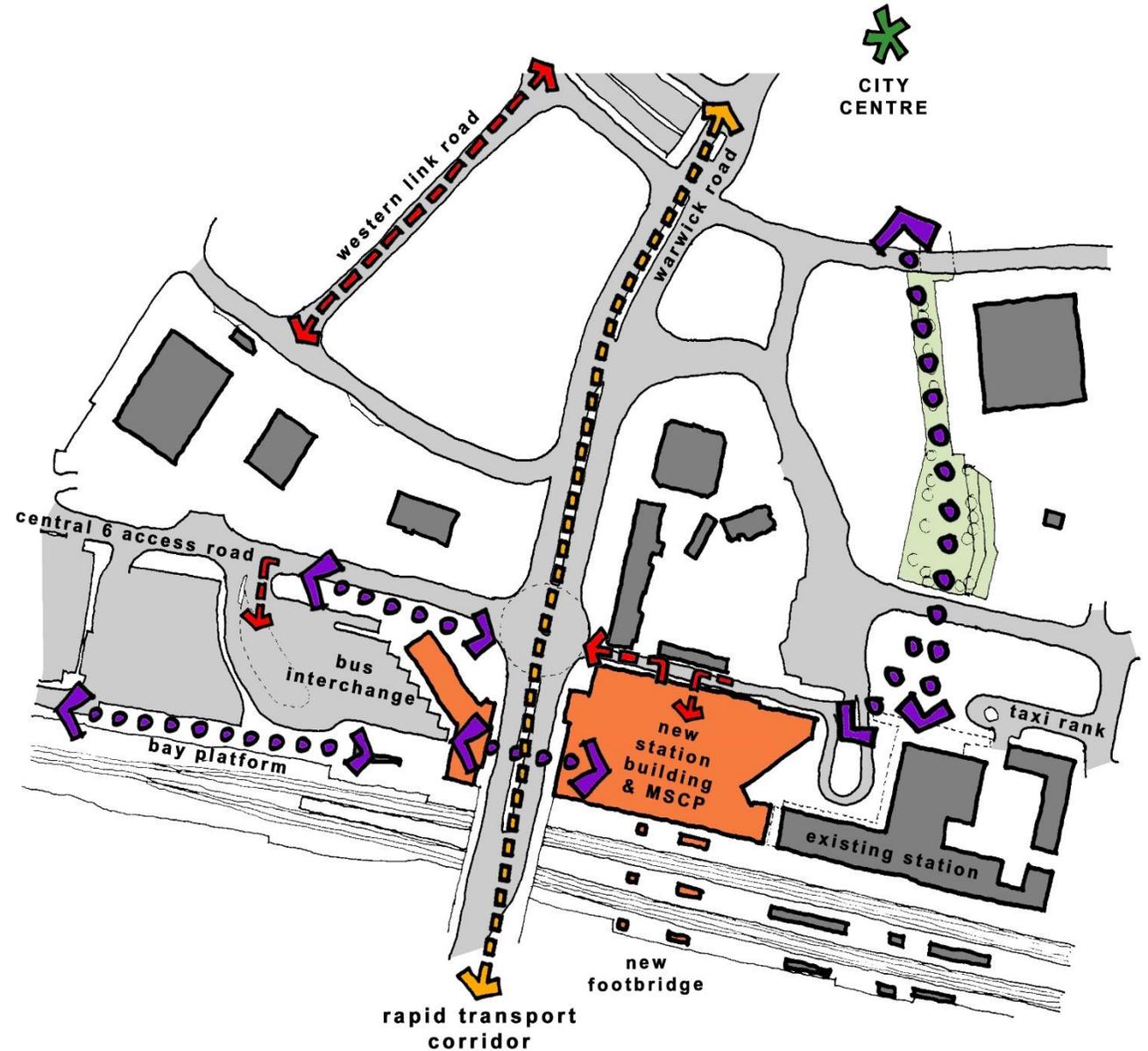
Scheme Overview

The Coventry Station Masterplan is a £82m programme, with funding from CWLEP Growth Deal, WMCA and Coventry City Council. The programme consists of the following projects:

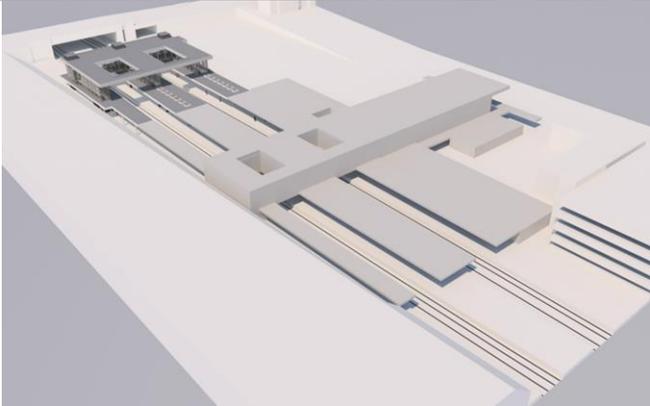
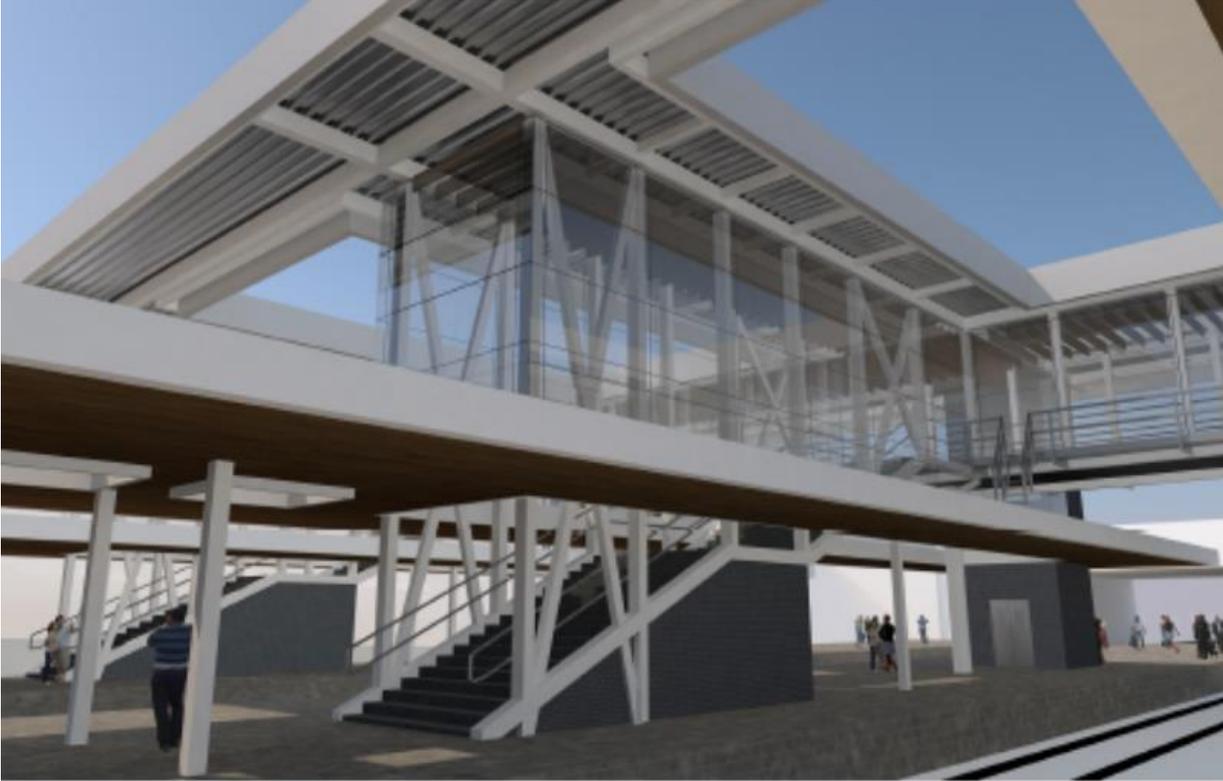
- New Station Building & Multi Storey Car Park
- Footbridge & canopies
- Drop Off/Station Square
- Highway works
- Warwick Road Access Tunnel
- Bus Interchange
- Substation upgrade

Plus

- NUCKLE bay platform



Footbridge and Canopies



- Provision of DDA compliant footbridge with lifts to each platform 1-4.
- Full height glazing to both footbridge and staircases
- Extension of platform canopies to replicate the existing canopies in shape and form
- Existing retaining wall on platform 4 to be modified to allow for footbridge lift shaft

New Station Building & Car Park



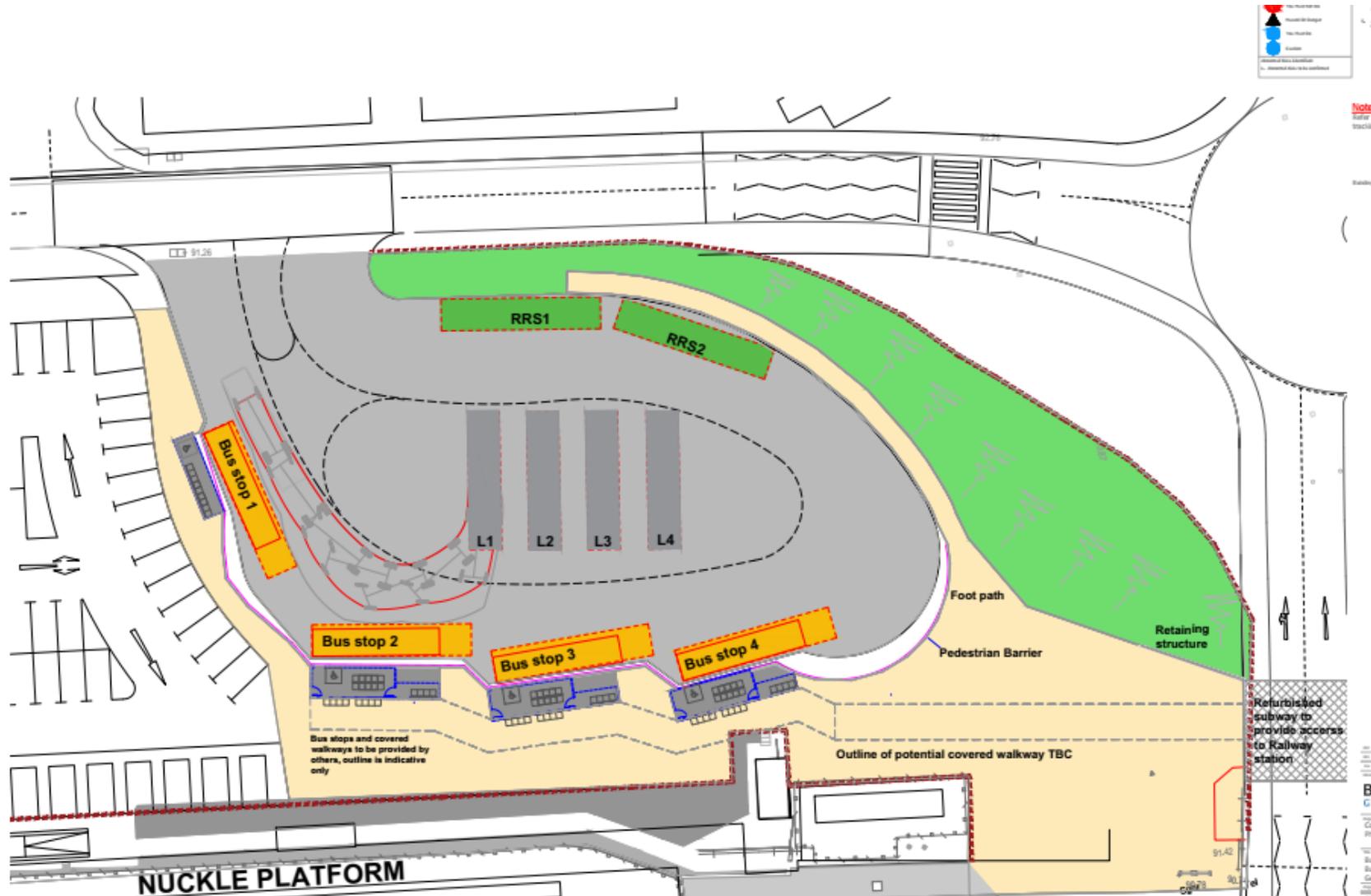
- Lower concourse new station building provides direct access to bus interchange via Access Tunnel, Platform 1 and out to Station Square and the existing station building
- Upper concourse access to new footbridge and Warwick Road
- 5 retail units in keeping with the station, 2 outward facing
- Lift direct to car park and footbridge

New Station Car Park

- Circa 630 spaces over 7 ½ levels, includes 150 non-rail spaces for Friargate development
- Height approx. 23m, two lifts and open 24 hours a day
- The new drop off area will be adjacent to the New Station Building/Station Square
- 16 EVCs to be installed for opening, will increase up to 50 as demand rises



Transport Interchange



Buses will move from Station Square to new interchange

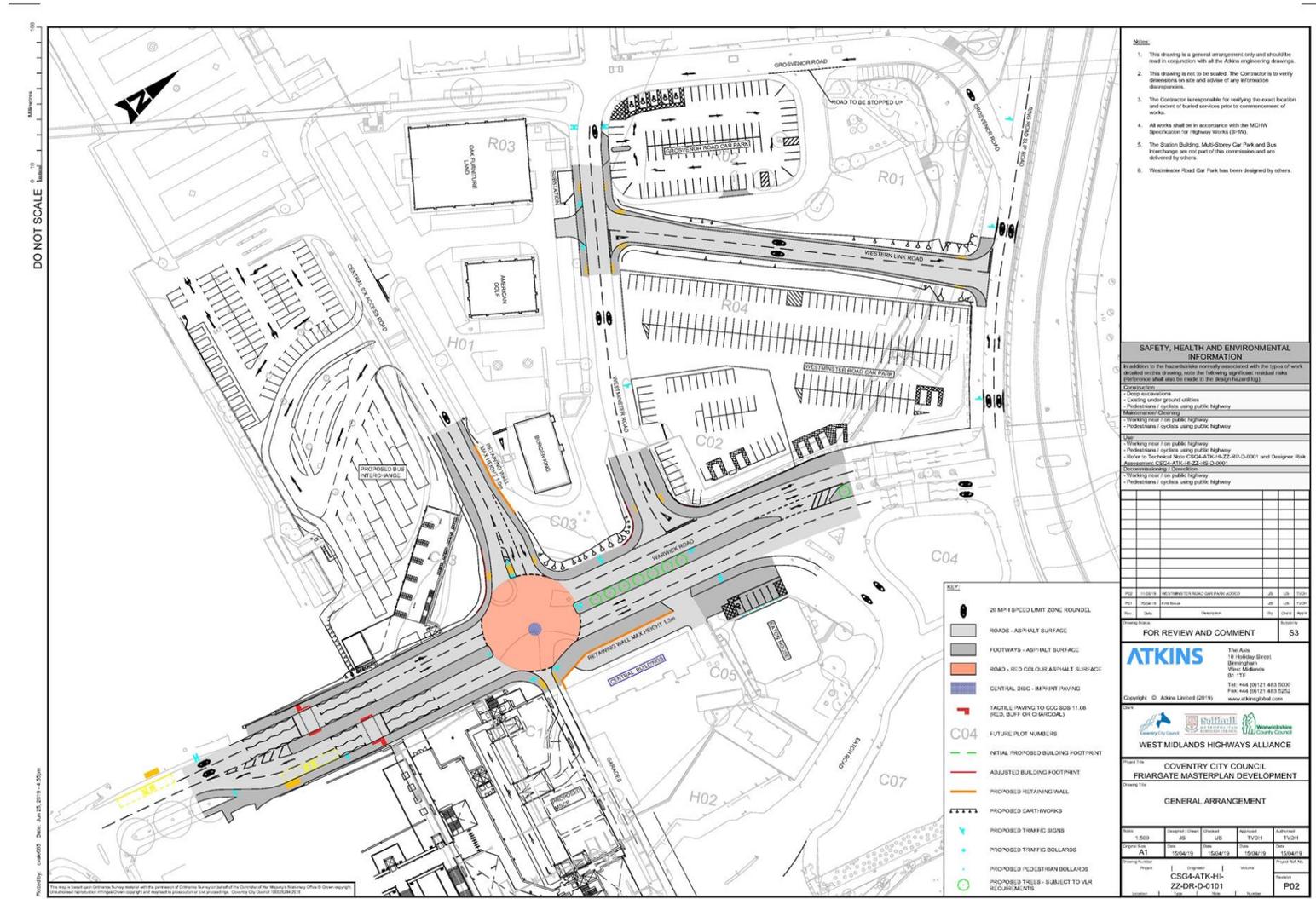
Traffic and step free access from station to transport interchange

Weatherproof facility

Flexibility to increase number of buses serving Coventry Station

Highway Works

- Upgrade the existing Central Six roundabout on Warwick Road
- New egress from Station car park to Warwick Road
- Create two way link connecting ring road and Westminster Road which will unlock development land
- Grosvenor Road access from ring road to close, will become 2 way accessed from Westminster Road



Active travel

As part of the improvements at the station, we are working with Avanti to upgrade the number of cycle parking facilities from 150 up to 250. Additional cycle parking to be provided on transport interchange site.

Boulevard extension will create high quality traffic free route between station and city centre that can be used by pedestrians and cyclists.

Improved accessibility for cyclists and pedestrians, with a new access from the west (Central 6) via the new 6m wide access tunnel under Warwick Road connecting to the station concourse, alongside new access at Warwick Road level providing direct access to footbridge, lifts and stairs to all 4 platforms.

E-Scooters and bike share scheme hubs proposed to be located at the station.

Separate funding bid being submitted for upgrades to cycle routes from west of the station.



Programme

1. Footbridge, Canopies & Access Tunnel:
October 2018 – May 2021
2. Highways
 - 2.1 Warwick Road: February 2020 –
Autumn 2020
 - 2.2 Western Link Road: Autumn 2020
3. New Station Building & MSCP: Jan 2020 –
May 2021
4. Bus Interchange: Nov 2020 - opening May
2021
5. NUCKLE bay platform – Spring 2023



Any questions?



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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



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Our Highlights

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

- We have supported **240** companies since the Programme launched
- There have been over **13,000 tonnes** of CO2 savings
- Provided over **£2.78 million** in grant funding to support these businesses
- 60 new jobs have been created
- 1195 organisations have joined the Green Business Network



powered by
PIKTOCHART

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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



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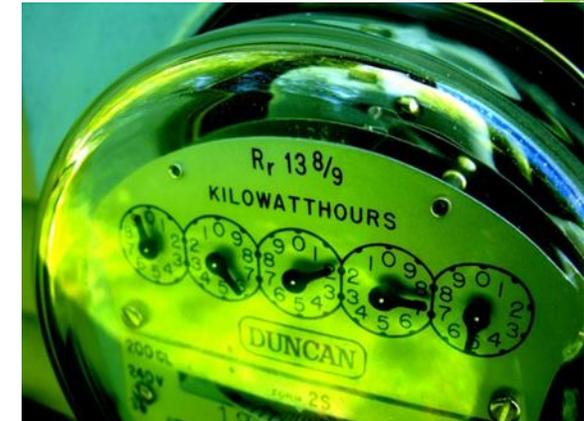
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Energy/Resource Efficiency Audits

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



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REMOTE ENERGY AUDITS

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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)

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



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- 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



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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 1195 other organisations you can network with
- Signposting to other grants
 - ▶ Business Support
 - ▶ Innovation
 - ▶ Skills 4 Growth

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Upcoming Events and Webinars

Upcoming GreenTalk LIVE webinars

- Date TBC – Green Homes Grant
- October - Coventry's Very Light Rail
- November – Public Realm

Date TBC

- Smart Cities – Coventry Transport Museum

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



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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



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European Union
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Development Fund

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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)




**Coventry
University**
Enterprises Limited



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

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<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



Coventry's Climate Change Strategy

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

- Head of Climate Change & Sustainability, 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



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

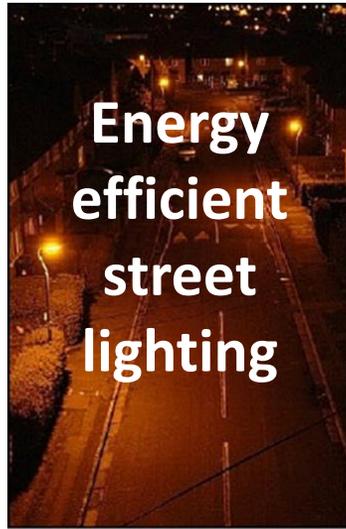




Reducing our emissions across the City



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



Existing Street Lighting

New Street Lighting

HM Government

E-Scooter Trials

New laws could see people using e-scooters on UK roads



178 charge points have been installed
130 – Sept 2020



10 electric buses

Electric taxis operating in Coventry with more on the way.





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

Anaerobic digestion

Low carbon power generation

Recycling

Low carbon buildings

Data Institute

BREEAM excellent buildings

Connected and autonomous vehicles

EV charging points

District heating

Energy storage batteries

Very light rail

Flexible industrial energy

Waste to energy plant

PAULSTRAALD

Electric Vehicle Charging

- Coventry City Council have partnered with EO Charging
- Purchasing & installing electric vehicle chargers throughout the city and region
- Also £350 grants available for organisations to install an EV charger
- Up to 40 chargers can be claimed per company
- Find out more - <https://plugincoventry.org>



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



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



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Case studies of organisations that are going green



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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



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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



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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.



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Green Business Programme

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