

COVENTRY & WARWICKSHIRE GREEN BUSINESS PROGRAMME



European Union

European Regional
Development Fund

Denise Osborne Marketing & Events Co-Ordinator Green Business Programme

024 7683 2040 www.coventry.gov.uk/greenbusiness

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



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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



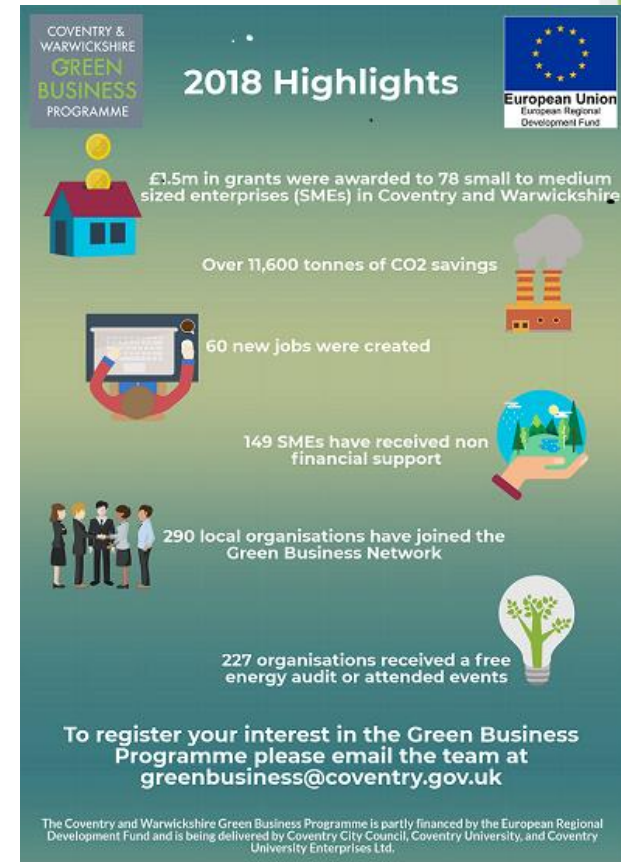
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Our Highlights

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

- We have supported **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
- 1016 organisations have joined the Green Business Network



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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 with new benefits
- 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 from Coventry City Council & Coventry University Enterprises
- Additional £118k revenue grants provided by Coventry City Council & Coventry University Enterprises



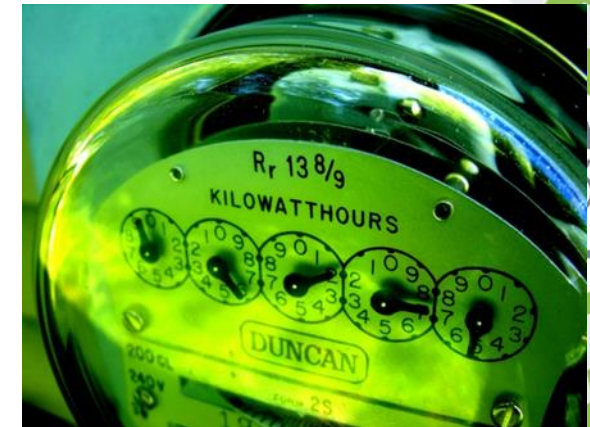
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Energy/Resource Efficiency Audits

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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- Energy/resource efficiency grants
 - Capital grants to improve energy/resource efficiency (Min £1K up to £50k)
 - Grants of 40%
 - Must save approx. 5 tonnes+ of CO₂ per year.
- 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
- Eligibility:
 - >50% B2B
 - Match funding can't be via another public sector grant etc.



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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 1016 other organisations you can network with
- Signposting to other grants
 - ▶ Business Support
 - ▶ Innovation
 - ▶ Skills 4 Growth

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Upcoming Events and Webinars

5 May 2020

- Webinar - Funding and Business Support available to Coventry businesses during COVID-19

18 June 2020

- Reducing your organisations environmental impact – Rugby

16 July 2020

- Smart Cities - Coventry

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



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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)



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➤ 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



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➤ 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



156 charge points have been installed with 120 more planned.



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



Electric taxis operating in Coventry with more on the way.





Coventry's Climate Change Strategy

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

- Our new Head of Service, Bret Willers will be overseeing and developing our new Climate Change Strategy 2020
- 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
- Intention to extend the Green Business Programme and other funding opportunities
- Committed additional resource through the 2020/2021 budget process to deliver the Climate Change Strategy



Coventry's Climate Change strategy

The strategy will cover the following themes

- **Domestic** - improving thermal efficiency of homes, reducing fuel poverty & encouraging innovation
- **Transport** - improvements to public transport and walking/cycling infrastructure
- **Industry** - improving the efficiency of buildings/processes
- **Environment** - sustainable procurement, enhanced biodiversity, sustainable food and driving behaviour change
- **Education & Skills** - upskilling
- **Energy** – increased use of renewables and feasibility studies for new solutions e.g. mine water for heating/cooling



Future Design

- **Planning** is key. It will enable Coventry to build more sustainable communities, facilitate economic development and connectivity, and improve the choices available for where and how people live and work
- **Urban design** significantly affects direct GHG emissions and is strongly linked to the amount of materials and energy in a city and the wastes that it generates
- **Cities** should be compact, we need to break away from urban sprawl in favour of a high-density neighbourhood approach, with narrower streets, and improved public transport
- **Green space strategy**, green roofs for urban agriculture, parks and river walks are essential urban features to address warming



Opportunities for Coventry

A climate change strategy will provide vast opportunities for the City

- Economic regeneration and creation of local jobs
- There are more than 430,000 jobs in low carbon businesses and their supply chains, across the UK
- Development of our own Energy Innovation Zone providing future employment in the area by providing increased use of renewables
- Investment can come from one sector (eg energy) but can benefit another sector (eg public health)
- Use the City of Culture as an opportunity to push the message and create a legacy



Opportunities for Coventry

- Improving thermal efficiency of homes, will reduce fuel poverty, provide cheaper energy bills and there will be fewer winter deaths
- There will be benefits to people's health from better air quality and less strain on local public health services
- Avoid costs from flood damage to buildings, infrastructure and services, enhanced green spaces and improved health
- Healthier diets, and increased recreational benefits from changes to land use
- Industry will be boosted as it leads the way in low-carbon products and services including electric vehicles, finance and engineering, carbon capture and storage and hydrogen technologies with potential benefits for exports, productivity and jobs
- Investment in new infrastructure projects that develop resilient buildings that can better withstand damage from storms, strong winds and flooding.
Partnership opportunities with a big City Centre Developer



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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Contact us

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Join our LinkedIn group



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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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Indigo Fitness

- UK's largest fitness equipment manufacturer
- £62,070 energy efficiency grant
 - New insulated roof. 30% energy saving
 - Sensor controlled LED lighting throughout. 70% energy savings
 - New heating system plus infrared heating with sensor controls
- Lighting – saving 22 tonnes of carbon per year
- Roof insulation saving 13 tonnes of carbon per year
- £6,000 a year saving on energy costs



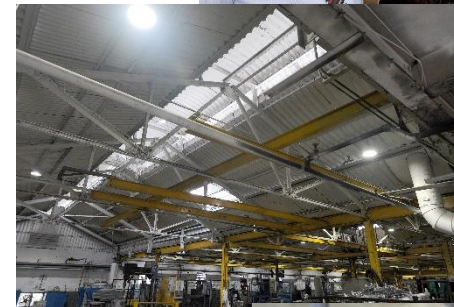
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Sarginsons

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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Agenda: Energy-saving tips – Business & Home

Covid-19 - new working arrangements/business disruption:

1. Business premises (closed/closing/reduced hours)
 - Financial energy savings
2. Working from home: energy tips
3. Environmental and other positives?!
4. Articles & presentation slides to follow with more info & links

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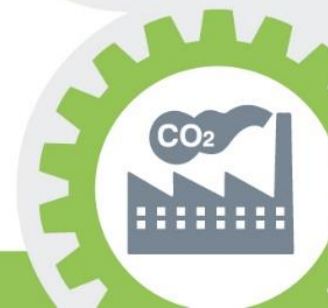
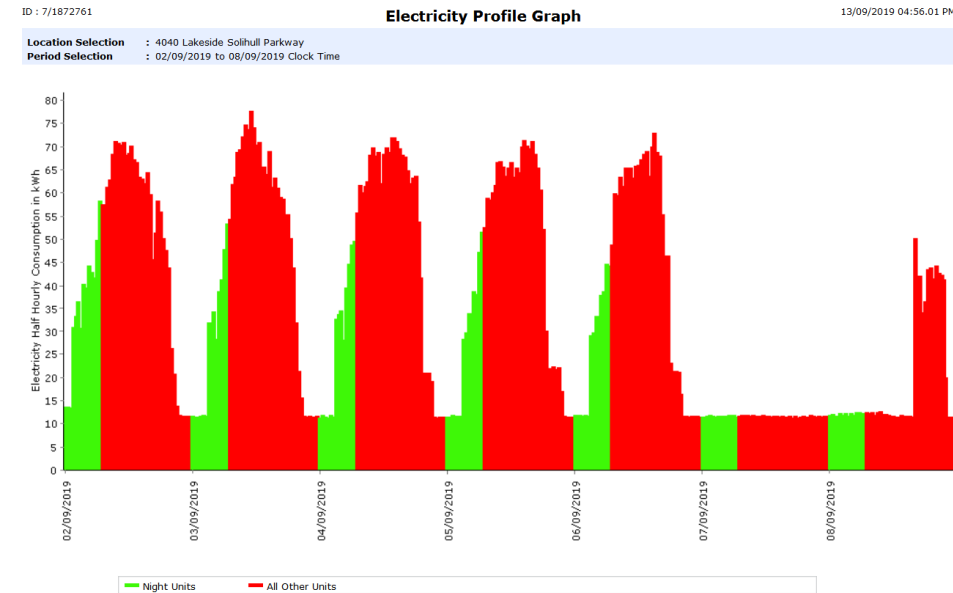


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Business premises: closed/closing/reduced...

- **Turn off!**
 - Non-essential equipment **off**/Heating: **off** or set to **frost protection** (timers)
- **Meters:** take **regular readings** (if no smart meters)
- **Smart/half hourly meters:** log in & check
- **Take or Pay clause:** check volume amount set out in contract
- **Reduce time:** does the whole site need to be on?
- **Consider switching:** speak to your energy broker or see: [Ofgem's Business Gas and Electricity Guide](#) or: [CAB advice for small business energy switching](#)



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BUSINESS DEBTLINE

Business premises: energy consumer rights

- **Energy supplier support:** including payment plans
- **Government support:** grants and other help [guidance for employers and businesses](#)
- **Business debt advice:** dedicated [Business Debtline](#) financial advice
- **Business energy advice:** Ofgem has a [range of business energy advice](#) and a [Business Energy Guide to Coronavirus](#) (direct queries)
- **MoneySavingExpert:** [MoneySavingExpert: Coronavirus help and your rights](#)



MoneySavingExpert

Cutting your costs, fighting your corner

Founder, Martin Lewis · Editor-in-Chief, Marcus Herbert

ofgem

Making a positive difference
for energy consumers



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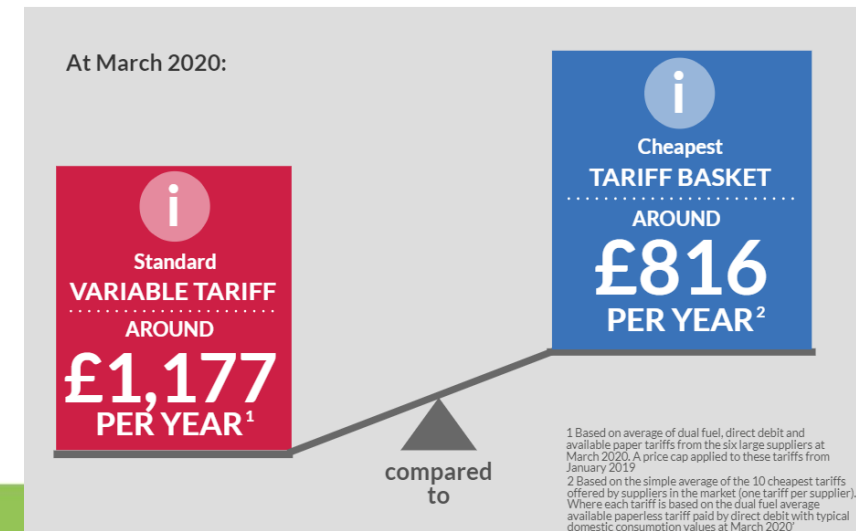


Home-working: Energy-saving

- **Switch to a better deal:** working from home can increase your daily domestic energy consumption up to 20%
 - [Which? consumer site](#)
 - [Martin Lewis' MoneySavingExpert site](#)
- **Turn off:** save up to 30% of your consumption
- **Meters:** regular readings (if no smart meter): accurate bills
 - Smart meter? Log in to see

	Company	Bill accuracy	Bill clarity	Customer service	Complaints handling	Digital tools	Value for money	Customer score	Procedures & practices score
1	Octopus Energy	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	83%	82%
2	Ebico	★★★★★	★★★★★	★★★★★	-	★★★★★	★★★★★	79%	60%
=3	Bulb Energy	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	78%	80%

Average available tariffs



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Lighting

- a) **Switch to LED bulbs:** save around **£35** annually (remember to switch off) - more info: [EST blog: Getting the best out of LEDs](#)
- b) **Let natural light in:** save energy costs & much better for your eyes (where poss.)

Heating

- a) **Turn down:** 18°C - 21°C max as per EST; *'save £80 and 320kg of carbon emissions a year by turning a room thermostat down by 1°C.'*
- b) **DIY draught proofing:** can save around **£20 a year** on energy bills; covering draughts from doors, windows and letterboxes.
 - [Which? consumer site - guide to draught-proofing](#)
 - [EnergySavingTrust - home insulation and draught-proofing](#)

Water

- a) **Shorter showers:** 1 min less a day = up to **£7 a year** saving. With a water meter - further **£12**. If everyone in a 4-person household did this = **£75 a year**.
- b) EST: *'A **water efficient shower head** could save a 4 person household around **£70 a year** on gas for water heating + **£120 a year** on water bills (if metered).'*





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Environmental benefits!

Carbon

More than 90% of work-related **carbon footprint** of employees = commuting

Air pollution

Significant drop in **UK air pollution** since lockdown

Waste

Think about waste: using leftovers to make soups and stews and check LA advice for waste disposal

Local Authorities are working hard to maintain waste and recycling services at this time. You can help by:

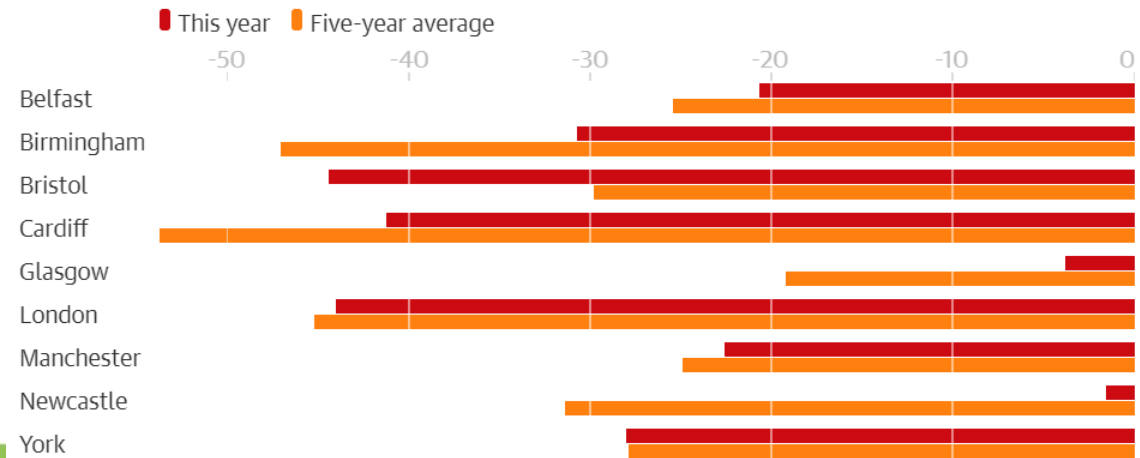
- Regularly **checking** your local council's website for **updates** on changes to collections where you live.
- If self-isolating and feeling unwell, double-bagging personal waste (such as tissues) and put aside for **72 hours** before being put for collection.
- For the latest information on COVID-19, please visit **Public Health England: gov.uk/phe**

Britain recycles

COVID-19 CORONAVIRUS

Particulate matter (PM2.5) pollution is down sharply in London, Cardiff and Bristol since the coronavirus shutdown

% change from pre-outbreak (1 January-10 February) to post-outbreak (15 February-25 March)



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Additional benefits:

- **Increased productivity** amongst workers
 - travel time eliminated
- **Childcare availability** during Covid-19 school closures
- **Health and wellbeing** improvements
 - increased exercise time
 - commuting stress eliminated
 - reduced exposure to air pollution
 - healthy eating
- **Cost savings:**
 - (employees) commuting/lunch/childcare
 - (employer) office/site running costs (energy/waste/transport)



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For more information:

- See the blog for more detail and useful links
- To register your interest for an energy audit or energy efficiency funding: greenbusiness@coventry.gov.uk

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