

Business Energy Advice Service (BEAS)

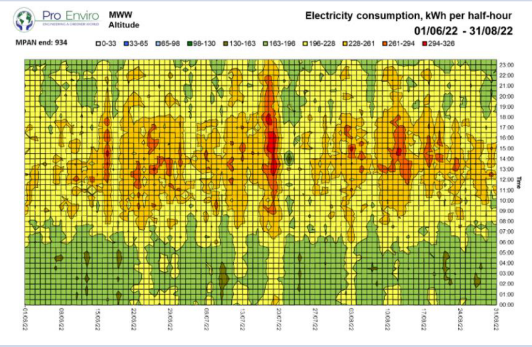
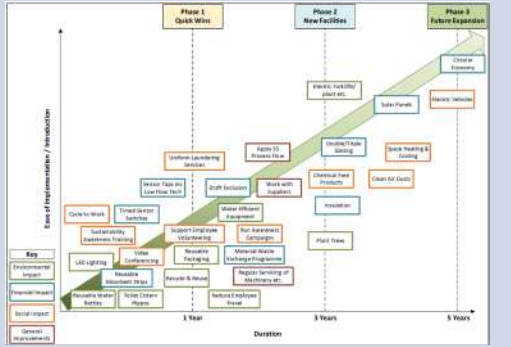
9 May 2024

CATAPULT
High Value Manufacturing

WWMG
THE UNIVERSITY OF WARWICK



Advice and assistance to reduce energy consumption

BEAS Initial Energy Heatmap	BEAS Energy Roadmap	BEAS Energy Intensive Assessment Report	Opportunity to apply for grant funding																				
		<p>Annex J: Energy Intensive Assessment Template</p> <h3>Business Energy Assessment Service</h3> <p>Introduction The role of this audit is to provide businesses with a baseline data set of where their main energy use is occurring and provide recommendations of what the business can do to minimize energy usage. The objectives of the Audit are to:</p> <ul style="list-style-type: none">- Provide an understanding of the energy usage on site.- Identify and prioritise actions that can be taken by the site to improve energy efficiency.- Highlight areas of energy efficiency and inefficiency.- Provide recommendations. <p>Company Information</p> <table border="1"><tr><td>Business Name</td><td>Street Address, Number/Name of building, Postal code, Region</td></tr><tr><td>Telephone</td><td>Mobile Number</td></tr><tr><td>Office Email Address</td><td>Website</td></tr><tr><td>Established in</td><td>Number of Employees</td></tr><tr><td>Annual Turnover</td><td>Weekly Operational Hours</td></tr><tr><td>Companies House Reference</td><td></td></tr><tr><td>Company Function (Brief explanation of what they do)</td><td></td></tr></table> <p>Report Details</p> <table border="1"><tr><td>Audit Report ID</td><td>Date of Issue</td></tr><tr><td>Date of Assessment</td><td>Assessor's Name</td></tr><tr><td>Assessor's Email</td><td></td></tr></table>	Business Name	Street Address, Number/Name of building, Postal code, Region	Telephone	Mobile Number	Office Email Address	Website	Established in	Number of Employees	Annual Turnover	Weekly Operational Hours	Companies House Reference		Company Function (Brief explanation of what they do)		Audit Report ID	Date of Issue	Date of Assessment	Assessor's Name	Assessor's Email		<p>£10k- £100k</p>
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To gain greatest insights company must commit to support the work. This will include:

- An initial call or face to face meeting to help them understand the overall process and for us to understand the company
 - At the moment this will be in person
 - We will request they obtain their half hourly energy data at this point – we cannot proceed without it
- A site visit to complete the company overview, including their challenges, and conduct a line walk
 - This will require the involvement of staff from different parts of the business
- A workshop to review their roadmap and identify opportunities with most potential to deliver improvements
 - A prioritized action plans with outline costs and benefits will be developed

WMG will conduct a detailed review of their potential opportunities

WMG will produce the final report on their prioritised opportunities

Company Commitment – Phase 2: Grant Application

4

Not all companies will progress to this stage

When the company applies for the grant. WMG and partners will support them and this may include:

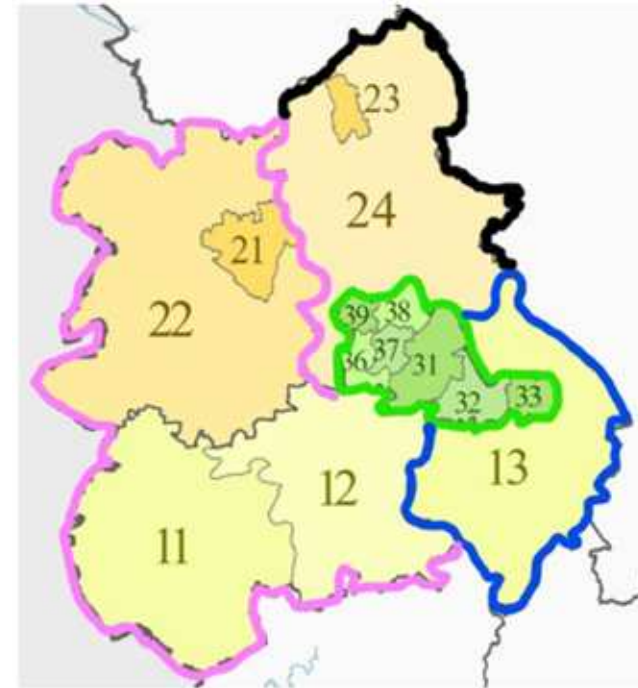
- Data gathering through micro monitoring
- Confirmation of recommendations
- Advice on building a business case
- Support on other aspects of the grant application

Cross-sectional technologies	Process heat generation from renewable energies	Measurement, control and regulation technology, sensors and energy management software	Energy and resource-related optimisation of systems and processes
<ul style="list-style-type: none"> • Lighting (LED, controls, sensors) • Electric motors and drives • Electrically driven pumps • Fans • Compressed air generators and their higher-level control • Heat exchanger for waste heat utilization or heat recovery • Thermal insulation/thermal insulation of industrial plants or parts of plants 	<ul style="list-style-type: none"> • Solar collector systems for the direct generation of heat from solar radiation • Heat pumps that extract the usable heat from renewable energies • Systems for the development and utilisation of geothermal energy • Installations for firing solid biomass • Combined heat and power plants for the generation/provision of heat and electrical energy through the use of solid plant biomass, solar radiation or geothermal energy 	<ul style="list-style-type: none"> • Systems for monitoring and for the efficient control of energy and material flows for integration into an energy or environmental management system • Energy management software including training costs 	<ul style="list-style-type: none"> • Process and procedure changes that lead to energy and resource savings, in particular energy and resource-efficient technologies as well as energy and resource-oriented optimisation of production processes • Measures to use waste heat • Measures to increase the energy and/or resource efficiency of systems for heating, cooling and ventilation if these are clearly and predominantly used directly for production processes • Measures for the energy and/or resource-efficient provision of process heat or cold • Measures to avoid energy and/or resource losses in the production process • Measures that lead to the use of a renewable energy source instead of a fossil fuel • Measures to electrify processes

Grants: £10,000-£100,000 match funded

Energy Intensive Assessment Eligibility Criteria:

- Business must have 10-250 employees
 - Activities defined by SIC codes:
 - Manufacturing: 10000 through to 33200
 - Recovery and recycling of materials: 38320
 - The business must have annual energy costs that are greater than 10% of their turnover
- OR
- Businesses with total annual energy consumption (Electricity & Gas) greater than 0.75 GWh



<http://tinyurl.com/zryxkxcx>



Start conversations with companies to find out if they would be interested

If they want more information

- contact Steve (steven.norgrove@warwick.ac.uk)
- or Liz (e.mcardle@warwick.ac.uk)

If they want to apply and fit the eligibility criteria apply via

- <https://www.businessgrowthwestmidlands.org.uk/business-support/business-energy-advice-service-beas/>



	BEAS – Energy Intensive	NZIN
Aim	Reduce energy consumption	Develop plan to achieve net zero
Technology Project	N/A	Energy or carbon reducing project
Roadmap	Energy reduction	Sustainability
Grant Amount	£10k to £100k (match funded)	£10k to £100k (match funded)
Grant Focus (see additional info)	Technologies to reduce energy consumed	Technologies to reduce carbon emissions

Note: DESNZ are funding the BEAS pilot in order to collect energy data across 4000 businesses – most of these will be a standard audit and not energy intensive.