# Low Carbon Environmental Goods and Services Sector Study 2024: Local Authority Short Report for High Peak Borough Council

Commissioned by the Midlands Net Zero Hub, this report provides 2024 data of the LCEGS sector, updating the 2021 study.

## 1. Introduction

This document has been prepared to provide an overview summary of the LCEGS sector within this Local Authority. Reports on the wider picture of the MNZH region and the East Midlands Combined County Authority, including skills forecasts relevant to this Local Authority, and datasets are available here. Additional detailed data is available from kMatrix; and further recommendations and details on areas of focus are available through the Climate Action Benchmarking study.

## 2. Current Activity Supporting the Growth of the Sector

Activity at the EMCCA level relevant to the wider geographical region:

- Sustainable East Midlands is a business support programme provided by East Midlands Chamber that gathers information and resources to help businesses in the region decarbonise, including networks, expert support, funding and grants.
- The Low Carbon Business Network hosted by Derby University offers fully funded support to accelerate business growth in the low carbon sector, as well as connecting SMEs to larger organisations and supply chains to help decarbonise industry.
- The East Midlands Manufacturing Network is a cluster of manufacturing businesses across the region, allowing businesses to share knowledge and best practice, including ways to decarbonise.
- A prototype STEP fusion powerplant is planned for construction in West Burton, Bassetlaw, with the area acting as a hub for fusion-related engineering and commercial progress, generating thousands of jobs in the industry.

- The EMCCA is home to number of key businesses in the automotive, aerospace and advanced manufacturing industries, which bring great opportunities to decarbonise and grow the LCEGS sector.

## 3. Recommendations

Recommendations for High Peak Borough Council are:

- Utilise existing manufacturing clusters such as the East Midlands Manufacturing Network to engage with energy-intense manufacturing businesses and promote the benefits of the circular economy and low carbon technologies along the supply chain.
- Work with nearby local authorities to develop a strategy to better collaborate with local skills providers, education institutions and LCEGS businesses to ensure training and apprenticeships are available that address the specific skills gaps in the area. This work could include pooling funding.
- Review procurement processes within local authorities and the wider public sector to prioritise local LCEGS businesses, encouraging sustainable practices across the supply chain. Shift focus from solely cost-driven decisions to those considering long-term environmental and social benefits.
- Contact the Midlands Net Zero Hub and request the supplementary booklet of additional data to provide further information and context to the LCEGS sector in your area.
- Large sub-sectors which saw stronger three-year growth in High Peak than the UK average and are considered strengths are:

- Recovery & Recycling
- Waste Management
- Water Supply & Waste Water Treatment
- Alternative Fuel Vehicle
- Alternative Fuels
- Building Technologies
- Energy Management
- Geothermal

These are similar strengths to the wider EMCCA area, apart from Geothermal, which did not grow stronger than the UK average in the EMCCA. The EMCCA report and dataset includes details of the skills gaps across EMCCA for each sub-sector, providing evidence to feed into local skills plans, ideally formed in collaboration with neighbouring councils.

## 4. Headline Figures for High Peak

The headline figures for the High Peak Borough Council are:

- The LCEGS sector in High Peak was worth £187m in 2023/24 and is forecast to grow to £359m over the next 5 years
- The LCEGS sector accounts for 7.1% of GVA, 2.1% of employment, and sales accounts for 7.6% of GDP in High Peak
- High Peak's LCEGS Sales generates 0.6% of the LCEGS Sales in the MNZH region, slightly lower than the 0.7% of total GDP contribution
- High Peak's LCEGS GVA generated 0.6% of the MNZH's LCEGS GVA, in line with its 0.6% total GVA contribution
- High Peak's LCEGs employment accounts for 0.5% of MNZH's LCEGS employment, lower than its 0.9% of economically active people in the MNZH

## 5. High Peak's LCEGS Sector Key Metrics

Key metrics in High Peak for each financial year from 2019/20 to 2023/24, with growth between years:

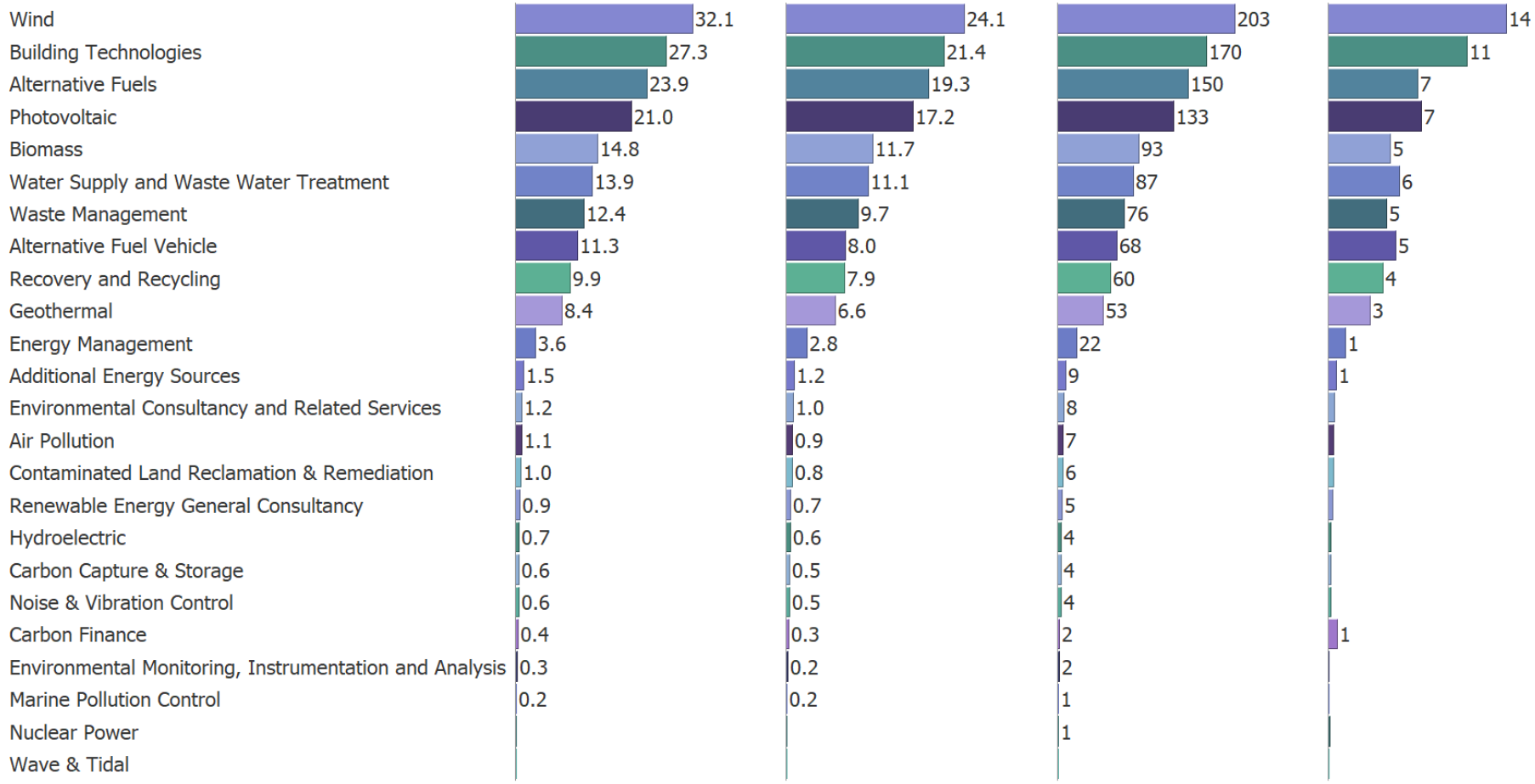
| High Peak | 2019/20 | % growth | 2020/21 | % growth | 2021/22 | % growth | 2022/23 | % growth | 2023/24 |
|---|---|---|---|---|---|---|---|---|---|
| Sales | £161.8m | -8.0% | £148.8m | 5.6% | £157.2m | 7.5% | £169.0m | 10.8% | £187.2m |
| GVA | £127.5m | -8.0% | £117.3m | 5.6% | £123.8m | 7.4% | £133.0m | 10.2% | £146.5m |
| # FTE Employees | 978 | -5.2% | 927 | 5.7% | 980 | 7.9% | 1,057 | 10.6% | 1,169 |
| # Companies | 64 | -8.1% | 59 | 7.0% | 63 | 7.5% | 67 | 10.8% | 75 |

All metrics have recovered from the pandemic in 2020 and saw growth across the reporting period from 2021/22 to 2023/24.

## 6. High Peak's Sub-sectors Key Metrics

All twenty-four sub-sectors of the LCEGS sector have activity in High Peak, with the 2023/24 values for Sales, GVA, FTE Employees and number of companies in figure 1.

Figure 1: Sales, GVA, FTE Employees and number of companies in High Peak in 2023/24 by sub-sector



The largest eleven sub-sectors account for 95% of sales, 95% of GVA, 95% of employment and 94% of companies in the LCEGS sector. These eleven sub-sectors are Wind; Building Technologies; Alternative Fuels; Photovoltaic; Biomass; Water Supply & Waste Water Treatment; Waste Management; Alternative Fuel Vehicle; Recovery & Recycling; Geothermal and Energy Management.

## 7. High Peak's Sub-sector Growth Compared with the UK

Sub-sectors that saw stronger growth in sales than the UK average between 2021/22 and 2023/24 for High Peak include:

| Sub-sector | High Peak Sales 2023/24 | High Peak Growth 2021/22 to 2023/34 | UK Growth 2021/22 to 2023/34 |
|---|---|---|---|
| Air Pollution | £1.1m | 18% | 7% |
| Contaminated Land Reclamation & Remediation | £1.0m | 20% | 9% |
| Environmental Consultancy and Related Services | £1.2m | 18% | 11% |
| Recovery and Recycling | £9.9m | 18% | 11% |
| Waste Management | £12.4m | 20% | 8% |
| Water Supply and Waste Water Treatment | £13.9m | 20% | 5% |
| Additional Energy Sources | £1.5m | 18% | 10% |
| Alternative Fuel Vehicle | £11.3m | 21% | 12% |
| Alternative Fuels | £23.9m | 22% | 14% |
| Building Technologies | £27.3m | 18% | 16% |
| Energy Management | £3.6m | 15% | 10% |
| Geothermal | £8.4m | 20% | 18% |

Only sub-sectors contributing more than 1% of the total Sales in High Peak have been included in this table.

Of the twelve sub-sectors that grew stronger than the UK, Recovery & Recycling; Waste Management; Water Supply & Waste Water Treatment; Alternative Fuel Vehicle; Alternative Fuels; Building Technologies; Energy Management; and Geothermal are also large sub-sectors and should be considered a strength of High Peak.

## 8. MNZH Regional summary

Headline figures for the MNZH area are:

- The LCEGS sector in MNZH Region was worth £31.0bn in 2023/24 and is forecast to grow to £46.6bn over the next 5 years
- The LCEGS sector accounts for 7.4% of GVA, 4.2% of employment, and sales accounts for 8.3% of GDP in MNZH Region
- MNZH Region's LCEGS Sales generates 11.9% of the LCEGS Sales in the UK, slightly lower than the 12.4% of total GDP contribution
- MNZH Region's LCEGs employment accounts for 15.5% of the UK's LCEGS employment, lower than its 16.8% of economically active people in the UK
- Net Zero 2030 targets are expected to require between 30,192 and 146,162 FTE employees in addition to those employed now in the MNZH region
- Net Zero 2050 targets are expected to require between 263,907 and 727,184 FTE employees in addition to those employed now in the MNZH region
- The MNZH region's LCEGS sector could generate up to 727,184 jobs between 2023/24 and 2050*
- Between 2019/20 and 2023/24, Investment in R&D for the LCEGS sector has varied, but is now similar, shrinking slightly from £2.2bn to £2.1bn for Private Equity Investment; being £3.6bn for Venture Capital Investment for both years; and increasing slightly from £4.9bn to £5.2bn for Other Investment.
- Exports in the LCEGS sector for MNZH Region have increased from £2.8bn in 2019/20 to £3.2bn in 2023/24.

*The majority of increase from 2030 targets due to additional 20 years of wider economic growth

## 9. East Midlands Combined County Authority summary

Headline figures for the EMCCA area are:

- The LCEGS sector in EMCCA was worth £6.0bn in 2023/24 and is forecast to grow to £8.7bn over the next 5 years
- The LCEGS sector accounts for 7.3% of GVA, 3.3% of employment, and sales accounts for 8.0% of GDP in EMCCA
- EMCCA's LCEGS Sales generates 19.8% of the LCEGS Sales in the MNZH region, slightly lower than the 20.5% of total GDP contribution
- EMCCA's LCEGS GVA generated 19.8% of the MNZH's LCEGS GVA, slightly lower than the 20.3% total GVA contribution
- EMCCA's LCEGs employment accounts for 16.8% of MNZH's LCEGS employment, lower than its 21.5% of economically active people in the MNZH
- Net Zero 2030 targets are expected to require between 3,099 and 23,125 FTE employees in addition to those employed now in EMCCA
- Net Zero 2050 targets are expected to require between 52,760 and 125,327 FTE employees in addition to those employed now in EMCCA
- EMCCA's LCEGS sector could generate up to 125,327 jobs between 2023/24 and 2050 *
- Investment in R&D for the LCEGS sector in 2019/20 was very high due to unusual investment in the Nuclear Power sub-sector with over £1.1bn in Private Equity; £1.4bn in Venture Capital Investment; and £1.7bn in Other Investment in that year. Nuclear Power is still the largest sub-sector in terms of investment in the EMCCA, but for this comparison we have used the 2020/21 data, which represents more 'usual' investment. Between 2020/21 and 2023/24, Investment in R&D for the LCEGS sector has grown from £296m to £438m for Private Equity Investment; £534m to £712m for Venture Capital Investment; and £771m to £1,016m for Other Investment.
- Exports in the LCEGS sector for EMCCA have increased from £572m in 2019/20 to £656m in 2023/24.

*The majority of increase from 2030 targets due to additional 20 years of wider economic growth

## 10. Example Companies in High Peak

Examples companies in High Peak.

Note: Some or all of the company's activity and employment are either currently in the LCEGS sector or have the potential to be. In some cases, turnover and/or employment may include activity in other locations.

| | |
|---|---|
| Company Name: | **Gas Care UK (NW) Ltd** |
| Web: | https://www.gas.care/ |
| Employees: | 30 |
| SIC Codes: | Plumbing, heat and air-conditioning installation |
| Additional Products and Services: | Air source heat pump installation |
| | Underfloor heating installation |
| About the company: | "Homes and Heating taken care of. We want to make your life easier when it comes to heating your home." Offering Heating installation, servicing, energy audits. |

| | |
|---|---|
| Company Name: | **Environ Consultants Ltd** |
| Web: | https://environltd.co.uk/ |
| Employees: | 11-50 employees |
| SIC Codes: | Engineering design activities for industrial process and production |
| About the company: | "Environ is a multi-disciplinary fabrication and project delivery company. The waste sector is our area of expertise, but we have a very broad range of skills and experience. Formed in 2007 this family business has seen significant recent growth and success in several specialist sectors. |

Environ has specific expertise in renewable power generation from biogas and it packages gensets at our workshops for landfill gas applications. Our packaged CHP units can also be used for base load heat and power applications.

Environ has expertise in the design, manufacture, installation and commissioning of high temperature hazardous waste treatment plants. Our safe, robust, compliant and reliable rotary kiln technology meets all relevant emissions standards, and the energy generated can be used for site processes or exported.

The rotary kiln technology is suitable for all types of hazardous, chemical, toxic, medical, clinical and infectious waste streams and can accommodate solid, liquid gaseous and sludge feedstocks.

Our in-house talent includes mechanical and electrical engineers as well as highly skilled fabricators and coded welders which enables us to provide turnkey solutions for bespoke projects.

Environ has now emerged as one of the leading companies in the UK delivering renewable solutions in a range of diverse market sectors. The company ethos is developing and delivering innovative concepts from the enquiry stage, working through a full Turnkey offer and professionally delivering the full project on a Principal Contractor basis."