



education
training
collective

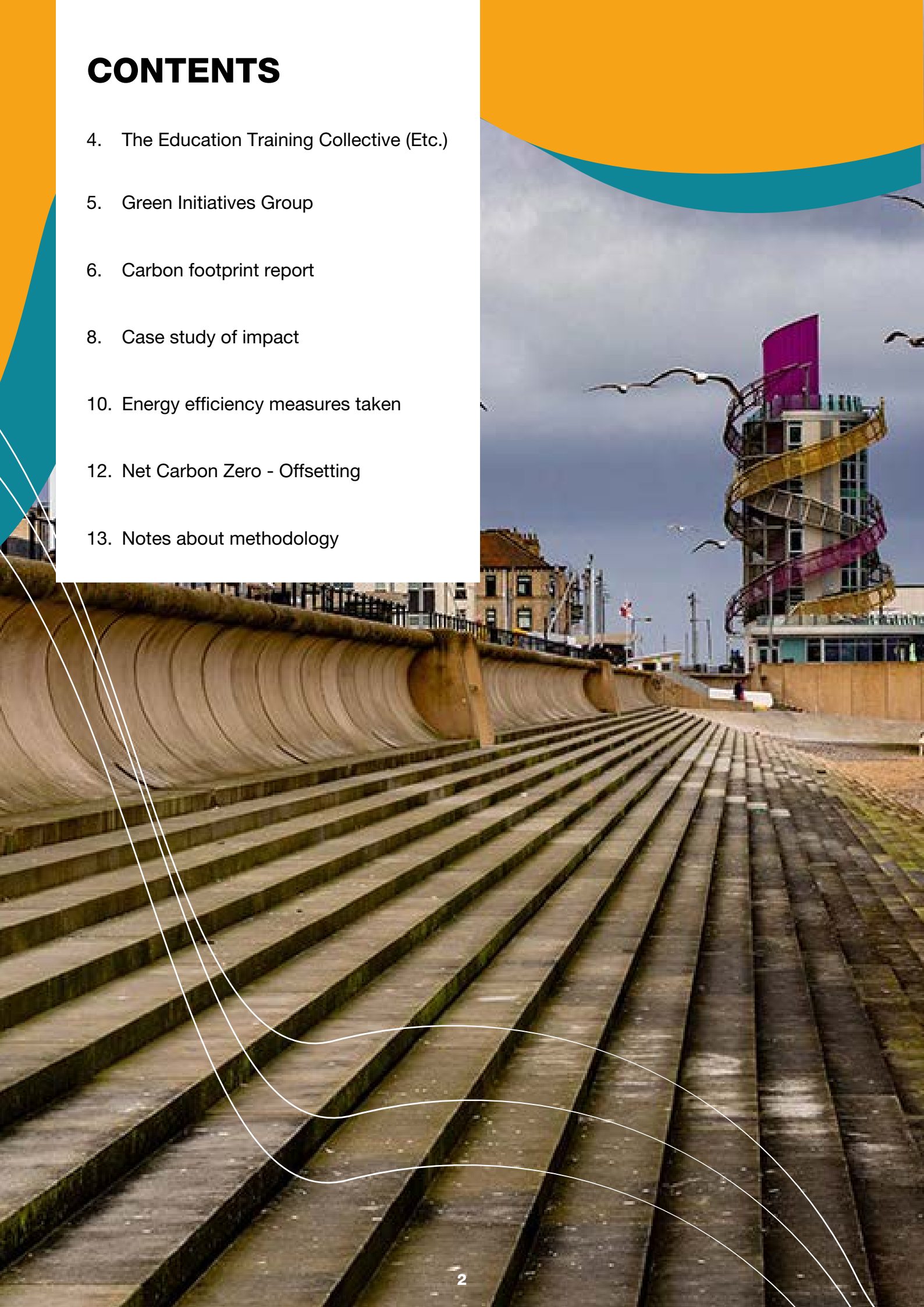
STREAMLINED ENERGY AND CARBON REPORTING

AUGUST 2024 - JULY 2025



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The Education Training Collective (Etc.) is a group of vibrant colleges and training providers offering high quality educational opportunities in the North East of England.

Incorporating Bede Sixth Form College, Innersummit, NETA Training Group, Redcar and Cleveland College and Stockton Riverside College. The Group has an estate of over 41,260 m², and served 15,000 learners during the 2024-25 academic year.

The Etc. continues to acknowledge the responsibility it has to drive improvements in sustainability into its day-to-day activities. Throughout the reporting period, the Etc. has committed to recognising and seeking to reduce the impact it has on the environment, and to enable staff and students to do the same.

Clockwise from top left: Bede Sixth Form College, Innersummit, Redcar and Cleveland College, Stockton Riverside College and NETA Training.

GREEN INITIATIVES GROUP

Comprising more than 20 members of staff, the Green Initiatives Group is both a vehicle and a driver for reducing the impact that the group has on the environment.

With sub-groups including Staff Engagement, Student Engagement, Waste, Energy, Procurement and Travel; the volunteers create annual action plans which seek to improve environmental impact through a combination of education and process change.

The main group meets bi-monthly and sub-groups on a more frequent basis. Initiatives launched by the Green Initiatives Group include:

- Continued development of recycling campaigns and waste management CPD sessions for staff.
- Upgraded EV charging systems and a £100k grant to further enhance this offer.
- Enhanced car sharing among staff.
- Etc. group wide communications campaign to support Great Big Green Week including local authority waste management workshops.
- Support of the green libraries week with a full programme of activity including crisp packet collections, free water bottles, book giveaway and immersive nature documentary sessions on the VR.
- Sustainable travel project which was rated as 'good' by Modeshift Travel stars in December 2024.

CARBON FOOTPRINT REPORT FOR EDUCATION TRAINING COLLECTIVE 01 AUGUST 2024 TO 31 JULY 2025

Education Training Collective emitted 794,478 kgCO₂e (Kilogrammes of carbon dioxide equivalent) for 2024/25 (across scope 1 and 2). This can be presented as 794 tCO₂e (tonnes of carbon dioxide equivalent) with an intensity indicator of 1.59 tCO₂e per total full-time equivalent employee (FTE) and 0 tCO₂e per million GBP £. When Scope 3 is added, this brings the total to 827 tCO₂e. The group employs 501 full time equivalent employees (FTE).

Table 1. UK GHG emissions and energy use data for period 01 August 2024 to 31 July 2025.

Emissions source	Units	kWh	Carbon (kgCO ₂ e)	Carbon (tCO ₂ e)
Scope 1				
Natural gas	340,272 m ³	3,402,720	695,999.15	696.00
Van diesel (average up to 3.5 tonnes)	58,638 km	58,142	14,672.89	14.67
Total Scope 1			710,672	711
Scope 2				
UK National Grid electricity	404,760 kWh	404,760	83,805.56	83.81
Total Scope 1 & 2			794,478	794
Total tCO₂e per *FTE on gross scope 1 & 2				1.59
Total tCO₂e per employee on gross scope 1 & 2				0

Emissions source	Units	kWh	Carbon (kgCO ₂ e)	Carbon (tCO ₂ e)
Scope 3				
Cat 01 - Purchased Goods & Services				
Material use (BEIS) - Water consumption - Water supply	18,697 m ³	-	2,862.70	2.86
Supply Chain Dashboard	-	-	0	0
Cat 05 - Waste disposal				
Commercial and industrial waste (Closed-loop)	52 tonnes	-	335.61	0.34
Paper and board: mixed (Closed-loop)	28 tonnes	-	178.28	0.18
Cat 06 - Business travel				
By mileage - Cars (by size) - Unknown fuel - Average	109,593 miles	121,993.56	29,438.39	29.44
Total Scope 3			32,815	33
Total Scope 1, 2 & 3			827,293	827
Total tCO₂e per *FTE on gross scope 1, 2 & 3				1.65
Total tCO₂e per *£m Turnover on gross scope 1, 2 & 3				0

CASE STUDY OF IMPACT

Jason Faulkner

Deputy Chief Executive Officer, Curriculum

HYDROGEN TRAINING RIG

Redcar and Cleveland College is leading the way in clean energy skills with the introduction of its new hydrogen training rig. This fully operational modular unit, believed to be one of the first of its kind at a UK college, gives students and apprentices the chance to work hands-on with hydrogen technology – something that's set to play a huge role in the future of transport and construction.

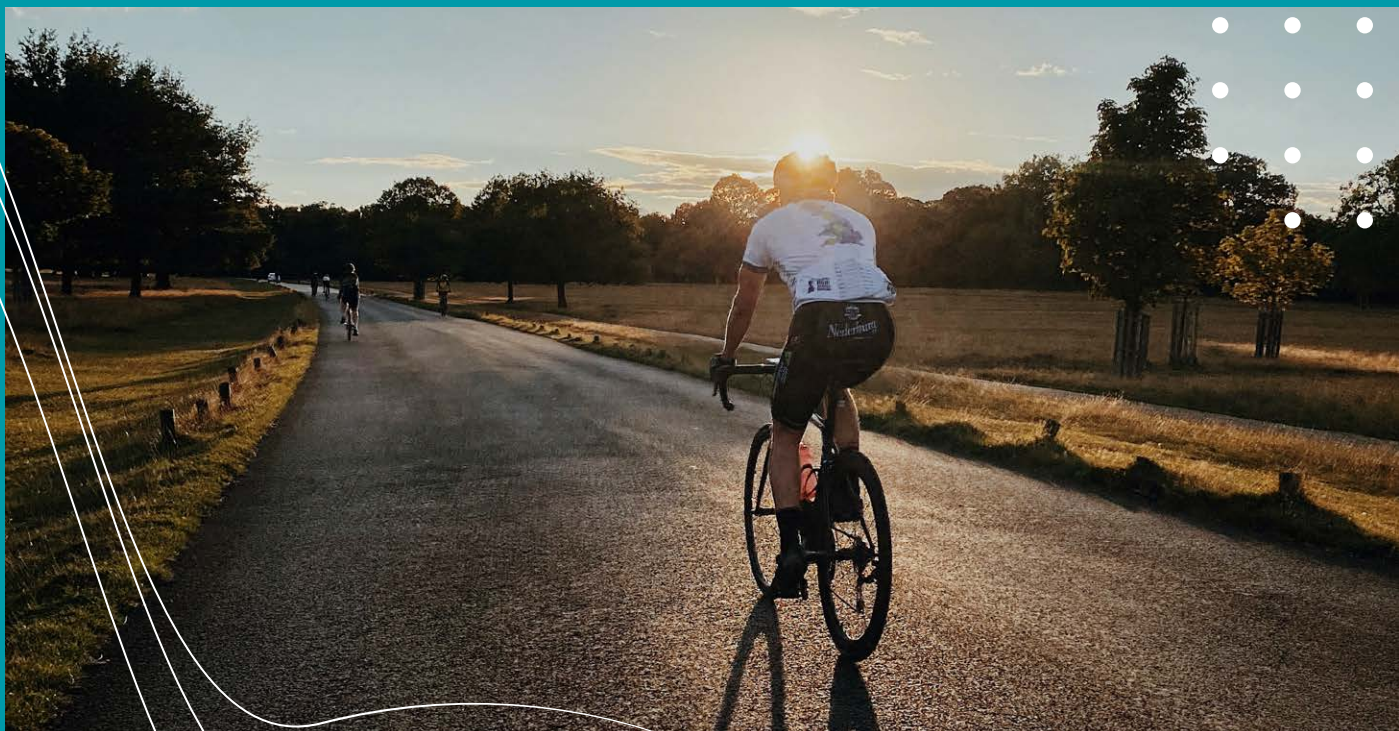
The rig, supplied by Hydrasun and funded with £286,000 from the Tees Valley Mayor and Combined Authority, includes a refuelling system and mobile units so learners can practise installation and maintenance in a real-world setting.

To make the experience even more practical, the college added three Toyota Mirai hydrogen cars, showing how the technology works beyond the classroom. With hydrogen already being trialled for buses, trains and airport vehicles, this investment means students are gaining skills that employers will soon be crying out for. To hit net zero, we will need more than one fuel source – and hydrogen is a big part of that mix. By combining traditional motor vehicle training with electric and hydrogen systems, this college is making sure its learners are ready for whatever the future brings.

This isn't just about new kit; it's about creating opportunities.

The Tees Valley is set for thousands of jobs in clean energy, and this facility helps local people get the training they need to take them. It's practical, forward-thinking and shows how education can drive the changes we all need to see.





CASE STUDY OF IMPACT

Erika Marshall

Group Marketing and Business
Engagement Director

MODESHIFT STAR

We're really proud to have earned a Modeshift Travel Star, which shows how committed we are to making travel to and from work more sustainable.

The key to securing the star based on a 'GOOD' Travel Plan was using real feedback and getting real intelligence about travel habits. To do this a survey was shared with staff, with a minimum response rate so it was truly representative. The survey gave a clear picture of how colleagues were getting to work, what was stopping them from choosing greener options and what might help them make a change.

From there, the group came up with

practical ideas to make sustainable travel easier and more appealing.

We encouraged walking, cycling, car sharing and using public transport and made sure staff had the right information and support to give these options a go. It wasn't about big, flashy changes – just sensible steps that made a real difference.

Getting the accreditation feels like more than ticking a box; it's a sign that we're moving in the right direction and creating a culture that values sustainability. It also sets the tone for what's next, because we're not stopping here.

We'll keep checking how people travel, updating the plan and looking for new ways to make it even better.

This achievement proves that when you listen to your staff and use data to guide decisions, you can make changes that really matter – for the environment and for the people who work here.

ENERGY EFFICIENCY MEASURES TAKEN

Developed and implemented an Environmental Strategy, approved by the FE Corporation, tracking progress against the Climate Commission for UK Higher and Further Education Climate action roadmap for FE colleges. Tracking against the “Climate action roadmap for FE colleges” we are acknowledged as ‘established’ and through a focused approach to driving positive environmental change cross-group, we seek to become a leading college in terms of sustainability.

Sustainability and carbon awareness has been embedded into tutorial and enrichment sessions – attendance at which is in the 85-90% bracket.

Areas across the Teesdale site has benefited from rewilding, to drive biodiversity of the area.

The Etc. Time for Tees volunteering day saw more than 250 colleagues volunteering for good causes which included a number of sustainability related initiatives such as landscaping and tidying around the river Tees and donation sorting at charities under the reduce, reuse, recycle methodology.

The Etc. has continued its commitment to the Investors in the Environment Standard, maintaining Green accreditation in December 2024. Investors in the Environment (iE) is a national environmental accreditation scheme designed to help organisations across the UK reduce their impact on the environment, save money and time, and get promoted for their green credentials.

Further, in the 2024 Investors in the Environment Awards, the Etc. was recognised as sustainability influencer of the year.

The Etc. has committed to the procurement of electricity from 100% green, renewable sources of energy are employed by the group, including the use of Bio-mass heating systems. Additionally, energy saving lights have been installed across all sites and the run time on heating equipment has been reduced.

The improvement of environmental impact at departmental level continues to be embedded into our annual performance review cycle with data evidenced examples of departmental impact feeding into the annual Etc. Staff Awards.

The group continues to be a signatory of the Global Climate Letter.

Sustainability is embedded into the curriculum delivery, and as mentioned through tutorial and enrichment sessions. Curriculum planning and quarterly review processes ensure that this is rigorously tested and examples are evidence throughout, including:

- Redcar and Cleveland College has maintained and built upon its a unique selling point for clean and renewable energy training through the creation of the Clean Energy Education Hub (CEEH), further enhancing this with carbon capture and hydrogen refuelling training resources. Work continues with key employers including, but not limited to, bp, Northern Gas Networks and Beyond Housing, to ensure communities are equipped with the skills needed to be part of the green technology careers in the Tees Valley, Additionally to this, 2025 saw the development of the Net Zero Teesside Scholarship which was based upon the pioneering bp scholarship introduced by Redcar and Cleveland College two years ago.



- Bede Sixth Form College's lead for raising the profile of sustainability in the sixth form curriculum is Andrew Featherstone and not only has he been instrumental in changing parent/college communications to entirely electronic other than in critical communications, providing a route for students to recycle batteries, the priority focus on using eBooks rather than physical copies, he has also developed carbon literacy training for the students in the college and ensured that wider participation with green initiatives is encouraged across the student body.
- At Stockton Riverside College, teams across all curriculum areas have embraced sustainability – from introducing rewilding areas and grow your own patches which are managed by foundation skills students to a competition around the development of early learning games which are not only sustainable in their design and build but also encourage sustainable education for nursery and early years school children. Additionally, the motor vehicle department has developed its curriculum to encompass alternative fuels education and the multi-skills areas utilise off-cuts and waste under the reduce reuse and recycle model to create re4sources to encourage biodiversity such as bird houses and bug hotels.
- NETA learners have been partnered with learners across other colleges in the Etc. but most specifically Redcar and Cleveland College due to the similarity of programme offer, to share use of materials and resources to encourage access into green career pathways.
- King's Trust community projects continue to have a keen focus on improving spaces and community areas.

NET CARBON ZERO - OFFSETTING

Working with Carbon Neutral Britain, the UK's Carbon Offsetting Initiative which supports British Individuals and organisations make an impact on Climate Change, we have offset the carbon footprint outlined in Table 1 and have been certified as 'Carbon Neutral' for the period August 2024 – July 2025. For this period, the Etc. is providing financial support to projects in the Renewables sector and this offsets the carbon footprint of 827 tCO₂e.

PLANNED ENERGY EFFICIENCY

The Etc. plans to continue driving forward on the sustainability agenda through:

- Maintaining Inventors in the Environment Green accreditation in 2025.
- Continued promotion of careers in the clean energy sector through engagement with organisations driving the green careers agenda across the Tees Valley, including the promotion of Green Careers Week.
- Further developing the scope of understanding of our environmental impact to become net zero for all emissions.
- Develop sustainable skills through investment in green technologies and the creation of resources to train sustainable skills, including the retrofitting of heat pumps and hydrogen boilers.
- Expanding the Green Initiatives Group to involve volunteers through linking with the Group Students' Union.
- Collaboration with local authorities and waste management providers to change behaviours among staff as the domestic waste changes come into effect in April 2026.



NOTES ABOUT METHODOLOGY

- Education Training Collective has adopted an operational control approach to establishing the boundary. The methodology adopted in line with the Greenhouse Gas Protocol¹ and the BEIS Environmental Reporting Guidelines². The calculations were completed on the SmartCarbon™ Calculator³ using the UK Government emissions factors⁴.
- CO₂e is the universal unit of measurement to indicate the global warming potential (GWP) of Greenhouse Gases (GHGs), expressed in terms of the GWP of one unit of carbon dioxide. There are seven main GHGs that contribute to climate change, as covered by the Kyoto Protocol: carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulphur hexafluoride (SF₆) and nitrogen trifluoride (NF₃). Different activities emit different gases. Using CO₂e allows all greenhouse gases to be measured on a like-for-like basis.
- For National grid electricity consumption, THE ORGANISATION has included factors for the transmission and distribution of electricity (T&D) losses, which occur between the power station and site(s). The emissions from T&D has been accounted for in Scope 3. As with other Scope 3 impacts, reporting T&D is voluntary but is recommended standard practice by UK Government².

References:

1. *The GHG Protocol Corporate Accounting and Reporting Standard. Revised Edition (2015)* World Resource Institute and World Business Council for Sustainable Development.
2. *Environmental Reporting Guidelines: Including streamlined energy and carbon reporting guidance (March 2019)* UK Government Department for Business, Environment and Industrial Strategy.
3. *SmartCarbon Calculator: www.smartcarboncalculator.com.*
4. *Greenhouse gas reporting: conversion factors - Full set (for advanced users). More at this link: www.gov.uk/government/collections/government-conversion-factors-for-company-reporting.*

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