



COLEG Sir Benfro
Pembrokeshire COLLEGE

SUSTAINABILITY REPORT 2023/24

1. Introduction and Organisational Overview

Pembrokeshire College is a Further Education College based in Haverfordwest, Pembrokeshire, serving learners in South Wales.

Pembrokeshire College's mission is to provide the highest quality education, training and support services for all its learners. There are five faculties comprised of academic and vocational areas and incorporate work-based learning. Work based learning spans Pembrokeshire and other counties across Wales. The College is also the Lead Provider for B-WBL which is the work-based learning consortium for south Wales. There are also numerous departments providing resources and support services. There are approximately 2,010 full time and 4,952 part time students enrolled. The College employs approximately 528 staff.

Pembrokeshire College has adopted a holistic approach in reducing carbon reductions across its activities and operations. All areas of operation have been reviewed and a planned improvement programme has been implemented which is reaping rewards in terms of CO₂ savings and also financial savings. Such is the College's commitment to improving energy efficiency that financial savings made have been re-invested into other environmental schemes.

The College has excellent facilities and equipment notably in the Learning Resource Centre computing and IT suites, and for design and multi-media studies. The College has invested over £12m in its facilities over the last few years, which includes, a £6.6m extension housing science labs, fitness suite, sports hall and classrooms and a £2.8m engineering centre.

Pembrokeshire College has one main campus based at Haverfordwest and smaller sites at Withybush and Folly Farm.

The Haverfordwest campus is located on the outskirts of Haverfordwest and comprises a large multi-storey building covering 18,823m² with garages covering a further 149m², a smaller technology building of 1771m², a construction centre building of 1959m² which is the first Further Education building to achieve BREEAM excellence rating at both design and post completion assessment stages in Wales or England which opened in 2008 and an engineering build of 775m².

There are no tree preservation orders on the College.

This report sets out to review the College's progress in managing its environmental aspects and impacts. This report will form part of the College's environmental improvement programme to maintain the Green Dragon Environmental Management Standard[®] Level 5. Pembrokeshire College has a Sustainability Policy embedded into the Green Dragon Environmental Management System.

Sustainability Awards

The College has secured the following environmental and sustainability awards during the course of their continued improvement work:

- Shortlisted for two UK Green Gown Awards in November 2012 in the following categories;
 - Continuous Improvement
 - Modernisation and efficiency in the Estate
- UK Green Gown Space Efficiency category - Highly Commended 2011;
- UK Green Gown Carbon Reduction category - Winner 2010;
- Green Dragon Level 5, 2011 and reaccredited in subsequent years;
- UK Green Gown Continuous Improvement category - Highly Commended 2009;

- UK Green Gown Construction and Refurbishment category - Highly Commended 2009;
- UK Sustainability Awards 2008 Runner-up in New Build Category;
- Welsh BREEAM Award winner 2008.

2 Sustainable Policy Overview

Pembrokeshire College recognises that its key impacts on the environment are because of the consumption of energy, emissions from transport and generation of waste.

The College's governing body, supported by the leadership and senior management team, is committed to raising the profile of sustainable development and environmental issues with staff and students right across its full range of activities by achieving Green Dragon status at its main Haverfordwest campus. The aim is to reduce our impact on the environment and to ensure that all future plans and developments are conducted with due regard to sustainability so that the college fulfils its legal and social responsibilities.

This commitment to continual environmental improvement, pollution prevention, and sustainable development means that Pembrokeshire College will work to minimise its impact through;

- Promoting the protection of the environment and minimising the impact of its activities on the local, regional and global environment;
- Promoting and integrating sound environmental and ethical management policies, practices, and awareness at the College;
- Ensuring compliance with all relevant Environmental Legislation;
- Making efficient and environmentally responsible use of energy and other resources;
- Minimising waste by reduced consumption and developing effective waste management and recycling procedures;
- Building environmental considerations into procurement, seeking assurances of responsible environment practices from trading partners and where appropriate discriminating in favour of environmentally efficient goods and services;
- Attaining BREEAM Excellence rating for new builds;
- Communicating with relevant stakeholders about environmental matters and achievements, especially students, staff and the local community;
- Promoting the use of the Welsh Language;
- Integrate sustainability into all its planning and development procedures;
- Ensure appropriate employees are trained and aware of their environmental responsibilities;
- Ensure that all opportunities are taken to incorporate sustainable development, environmental awareness and global citizenship into curriculum and learning activities;
- Monitor progress via the Health, Safety, Sustainability and Risk management structures and the Sustainability and Environment Committee.

The Sustainable Development Policy will be reviewed annually and be publicly available.

Triggered by an energy audit in 2003 the College became aware of the increased profile given to environmental issues and a realisation of the impacts created by the College's operations, decided to identify its impacts and proactively manage environmental issues. The aim was to ensure those impacts were reduced to a minimum, allow the College to discharge its legal obligations and meet its social responsibility. More recently due to the climate change emergency declared by the UK has refocused on environmental issues and a new environmental strategy is being developed.

To ensure policies and procedures were developed and implemented to a recognised standard, the College became an active participant in the "Green Dragon" environmental standard.

The College has progressed and developed its Environmental Management System (EMS) in line with the five levels of the Green Dragon scheme, allowing the EMS to meet the requirements of the Green Dragon standard and exceed them wherever possible.

In recognition of the College's commitment, suitably qualified staff have been employed with an allocated budget established to ensure continued development of the system. This investment supports various initiatives and strategies designed to contribute to a sustainable future and encourage others to adopt similar aims.

The College's commitment to a sustainable future is fully supported at all levels within the organisation. The College encourages others to adopt sustainable strategies wherever possible. A management review of the full Environmental Management System is carried out annually. This is a forum for continual improvement and looks at achievements and progress towards objectives and targets, legal compliance and the management systems' effectiveness.

Activities, Products & Services of the Organisation

Pembrokeshire College offers a wide range of academic and vocational qualifications in a variety of settings with subject areas such as:

- Administration & Business;
- Animal Care;
- A Levels;
- Art, Design & Media;
- Beauty & Complementary Therapies;
- Catering & Hospitality;
- Child Care;
- Construction;
- Electrical/Mechanical Engineering;
- Fabrication & Welding;
- Hairdressing;
- Health & Social Care;
- Information & Communication Technology;
- Motor Vehicle;
- Public Services;
- Skills for Independent Living; and
- Sports & Leisure

The College provides a number of catering facilities producing a range of cooked meals, deli and freshly made sandwiches along with hot and cold drinks. The catering areas operate during the College's normal hours, with the College restaurant opening on a Thursday evening.

The College remains a leader in the development and provision of high-quality learning and incorporates Educational Sustainable Global Citizenship within its courses.

The Estates & Facilities Department conducts or co-ordinates all reparatory and maintenance work on all of the College's properties. The department manages a small in-house team to carry out such works. The department also has responsibility for environmental management alongside the Health, Safety, Sustainability and Risk team and has a suitably qualified manager in place to oversee this activity. The department has the capability to engage external contractors, as and when required.

Environmental Management System

The EMS is based on the Green Dragon Environmental Management System, which consists of a Policy, Responsibilities, Implementation, Monitoring and Auditing. These documents in turn support the Environmental Management System (EMS) and include procedures and guidelines, which are controlled through the College's staff intranet system.

Access to documentation is freely available to all employees on a "read-only" basis to eliminate any unauthorised changes to the documentation.

Amendments to documentation can be in response to:

- Sustainability and Environment Committee recommendations;
- Management/Documentation reviews of EMS;
- Audit Recommendations;
- Changes in Legislation;
- Amendments to the Green Dragon Standard;
- Following an environmental incident;
- Observations from staff/students/visitors.

The documentation is reviewed annually by the Sustainability and Environment Committee to ensure it remains effective and current.

Significant Environmental Aspects & Impacts

The College has identified the following as their significant Environmental Aspects/Impacts following a risk assessment process:

Demand for electricity is primarily lighting, cooling, electrical equipment and compressors and recognises that there will always be demand for this. Therefore, the College has in place strategies to try and reduce consumption as far as possible and is continuing to install solar panels. To this extent, the College has reduced its consumption by 49% over the last twenty years with the estate increasing.

Gas is the primary heat generator for the Main College building and as a secondary source for the TIC and Construction Centre. The primary source of heating for the latter buildings is a biomass boiler. Gas is used in the kitchens and for producing hot water. The College has installed a number of solar thermal panels to assist with heating hot water.

To meet our legal requirements, Display Energy Certificates (DECs) are completed annually with an approved Contractor. Improvements have been achieved since the initial DECs due to the measures taken to reduce energy consumption and more accountability from additional sub-metering.

Water Consumption

The College has managed to reduce water consumption by 51% over the last twenty years, due to the measures that have been implemented.

Measures taken to help manage water consumption include:

Installing waterless urinals, spray taps, reducing W.C. cistern sizes, investigation of any increase in consumption; resolution of increases in consumption in a timely manner and rainwater harvesting systems.

Waste Generation

Within the College site, there is a mixture of waste generated from activities which is as follows:

Food stuffs, plastic bottles, paper, cardboard, office furniture and office consumables such as printer cartridges and other stationery items.

The College is registered with the Natural Resources Wales as a producer of Hazardous Waste. Waste is managed by the Estates and Facilities department. Waste is stored in bins around the site and also in a designated area to the rear of the building. Paper and cardboard are recycled and a cardboard compactor is used to bale cardboard. The College is currently classified as a 'non-waste' Framework Directive Exemptions site. However, although not requiring an exemption the College complies with the terms and conditions of the exemptions.

Waste transfer notes, consignment notes and copies of waste carriers and management licences are held centrally by the Estates and Facilities department and other documentation is held by individual departments.

The College has already implemented several waste minimisation initiatives including;

- Setting double sided printing as default;
- Printing for staff is usually done through the reprographics unit and charged back to the department which has increased awareness about spend on paper;
- Poly pockets are no longer supplied.

Please see the following table for 2023/24 data on waste,

| | |
|---|--------|
| Non-hazardous waste to 'energy from waste' (tonnes) | 35.34 |
| Total tonnage of recycled waste (tonnes) | 101.81 |
| % of all waste recycled | 74% |

Transport

The College's fleet has been reviewed and streamlined. Members of staff plan travel accordingly to ensure minimum mileage is travelled. There is an electric car available for local journeys.

The claiming of mileage by College staff along with declaration of vehicle mileage for fleet and hire vehicle enables the College to monitor usage and compare with set targets.

The College however, suffers from a poor public transport services to its site which is further hindered by the geographical area which the College serves. However, free student transport to and from College service is provided for students aged under 19. In order to encourage staff and students to cycle to College secure bicycle storage is provided along with showers.

Please see the following table for 2023/24 data on transport

| | |
|---|---------|
| Miles travelled/business miles | 212,643 |
| Direct transport CO2 (kgs) (staff business use) | 71,952 |

Office Activities

Double-sided printing is set as default in the College. Off cuts of paper and waste paper are recycled, paper is also reused as scrap to reduce wastage.

The IT department have taken a number of initiatives to improve sustainability. The College is targeting an actual reduction of 20% in printing, this will be achieved by following up any individual member of staff or a team of staff who are printing excessive amounts. The IT department have installed A5 booklet printing option for when there is simply no substitute to printing, this simple change of approach reduces every multi-page job by half and the legibility of the text is very good.

A monthly report of the top printers throughout the college is issued to every faculty head to encourage the reduction of printing, with methods attached for substitutes for printing along with the impacts printing has on carbon emissions. Additionally, a limit of 500 pages per printing job has been implemented so that excessive printing can be monitored and large printing jobs are made to go through reprographics where printing is more efficient and can be monitored more proactively.

The communal printers installed are more efficient than their predecessors. They take high yield toner cartridges which reduces the environmental impact. The projectors installed throughout the College are 25% more efficient than the previous models. These are set on an auto eco mode. If you are in a classroom with the lights switched off, the image will go dimmer. In addition, the projectors will automatically shut down after 3 minutes if no input signal is detected.

The College has also introduced 50 low power consumption thin client terminals in the Learning Resource Centre. These models only use 30% of the power of a PC and has enabled the College not to increase the demand for air conditioning in this area.

Communication and Training

Staff are made aware of environmental issues including recycling and the environmental policy during induction. Environmental Awareness training is embedded in the HSSR staff development program, this is evidenced on the HSSR Training Needs Analysis and registers of attendance. Tool box talks are used by managers to inform staff of policy and procedures.

The College has contact with several external interested parties including Natural Resources Wales through its registration as a producer of hazardous waste, Welsh Water through the provision of services, Local Authority licence the premises for public entertainment and Welsh Government.

The College has a complaints procedure which is the responsibility of the Quality Assurance Manager, however environmental incidents are reported to the HSSR Manager.

The environmental performance of suppliers is considered in some cases, for example, under the requirements for the BREAAAM excellence rating, there are certain obligations the contractor has to meet.

Criteria for Assessing Aspects & Impacts

Aspect and impact assessments considering both the environment risk and commitment are carried out. Guidelines for this provide a quantitative risk-based approach, which allows us to identify HIGH, MEDIUM or LOW risk and enables to respond accordingly.

Targets & Achievements

Details of our Targets & Achievements are documented and available through our staff intranet and the College website. The targets and objectives for the next academic year 2024/25 are;

Analysis on Progress to Complete Previous Year's Objectives and Targets for 23/24;

| Aim | Objectives | KPI | Responsible/ Resources | Start Date | Target Deadline |
|---|---|---|--|------------|-----------------|
| A supportive culture and a safe and sustainable environment | Continue to develop a strategy to reduce carbon emissions by 2030 *Please note this will be challenging for the College and will require an external consultant and 12 months building monitoring* | Realistic and achievable strategy developed | Estates and HSSR | 01/09/2023 | 30/08/2026 |
| | Improve monitoring of renewables, homeworking, supply chain and waste data | Accurate data provided for 24/25. | HSSR Manager and Estates | 01/09/2024 | 30/08/2025 |
| | Develop specifically assigned car parking spaces for car sharing | Install car share spaces to encourage car sharing and conduct a further commuting survey to monitor improvement | Estates and Facilities and Sustainability Champion | 01/09/2024 | 30/08/2025 |
| | Seek funding opportunities for next phase of carbon reduction in line with consultant's report | Funding obtained, works planned and delivered | Head of Estates and Facilities | 01/09/2024 | 30/08/2026 |

The following table sets out the Colleges achievements in relation to gas, water and electricity consumption.

| Aim | Objectives | KPI | Responsible / Resources | Start Date | Target Deadline | Progress |
|---|--|--|---|------------|-------------------------------------|--|
| A supportive culture and a safe and sustainable environment | Continue to develop a strategy to reduce carbon emissions by 2030 *Please note this will be challenging for the College and will require an external consultant and 12 months building monitoring* | Realistic and achievable strategy developed | Estates and HSSR | 01/09/2023 | 30/08/2024 | A sustainability strategy has been started but was not completed due to a change in staffing |
| | Improve monitoring of renewables, flights, public transport, business travel, homeworking, supply chain and waste data | Accurate data provided for 23/24. | Sustainability Champion and Estates Administrator | 10/10/23 | Review to be completed in June 2024 | Work was done to improve some monitoring, the remainder will be carried into 24-25 |
| | Organise Environmental week | Different focus and aim to increase knowledge and awareness of current crisis' | Sustainability Champion | 01/09/23 | 31/08/24 | Environment week was executed as planned |
| | Run Carbon Net Zero Tutorials to influence | Students completing the NetZero modules sent | Sustainability Champion | 01/09/2023 | 31/08/2024 | ... |

| | | | | | | |
|---|--|--|--------------|------------|---|--|
| students to contribute to the Carbon Net Zero initiatives | by Welsh Government and 400 learners delivered to | | | | | |
| Further investigation into a £280k solar PV array | Installation of £280k of solar PV | Head of Estates and Facilities | 01/09/2023 | 30/08/2024 | This work was completed | |
| Develop specifically assigned car parking spaces for car sharing | Install car share spaces to encourage car sharing and conduct a further commuting survey to monitor improvement | Estates and Facilities and Sustainability Champion | 01/09/2023 | 30/08/2024 | The 23-24 commuting survey will be reviewed to determine appropriate course of action | |
| Improve biodiversity on the main campus using £1200 of Force for Nature funding | 900m ² of wildflower meadow 4 x bug hotels 4 x bird boxes 4 x butterfly boxes and 4x hedgehog homes installed on main campus | Sustainability Champion | 01/09/2023 | 29/02/2024 | Complete | |
| Support WG in undertaking Net Zero survey in 2023/24 | Report received from WG | Head of Estates and Facilities | 01/09/2023 | 30/08/2024 | The survey has been undertaken by WG, the report has not been received yet | |
| Plan for and implement new WG waste separation legislation | New legislation is complied with when it comes into force | Estates and Facilities team and HSSR team | October 2023 | April 2024 | Completed | |
| Review actions from Hoare Lea | Plan is developed for | Head of Estates and Facilities | 01/09/2023 | 30/08/2024 | The actions have been reviewed, | |

| | | | | | | |
|--|---|---|---------------------------|------------|------------|---|
| | survey to determine viability of actions to implement | implementation of actions | | | | the next step is to obtain funding to carry out the works |
| | Review insulation across main campus with a view to improve | Review is conducted and report produced | Property Services Officer | 01/09/2023 | 30/08/2024 | This was reviewed but was unfortunately found to be cost prohibitive. |

| | Gas Consumption (Khh) | Electricity Consumption (KWh) | Water Consumption (M ³) | Floor Area – Main Campus (M ²) | Energy per KWH/M ² |
|--------------|-----------------------|-------------------------------|-------------------------------------|---|--------------------------------------|
| 02/03 | 3,059,897 | 1,903,446 | 15,728 | 15,513 | 319 |
| 03/04 | 1,443,624 | 1,655,506 | 8,240 | 17,284 | 179 (-44%) |
| 04/05 | 1,341,912 | 1,420,538 | 6,500 | 16,755 | 165 (-8%) |
| 05/06 | 1,529,586 | 1,479,791 | 6,832 | 16,755 | 179 (+8%) |
| 06/07 | 1,384,874 | 1,404,798 | 6,787 | 16.755 | 166 (-7%) |
| 07/08 | 1,420,173 | 1,425,295 | 6,768 | 16,540 | 172 (+4%) |
| 08/09 | 1,484,891 | 1,529,299 | 6,529 | 18,497 | 162 (-6%) |
| 09/10 | 1,522,549 | 1,370,476 | 6,305 | 19,151 | 151 (-7%) |
| 10/11 | 1,440,709 | 1,389,861 | 7,026 | 19,151 | 147 (-3%) |
| 11/12 | 1,082,397 | 1,345,050 | 5,489 | 19,151 | 126 (-14%) + 61% decrease from 02/03 |
| 12/13 | 1,308,557 | 1,298,021 | 5,602 | 19,151 | 136 (+8%) |
| 13/14 | 1,124,948 | 1,222,062 | 6,487 | 19,151 | 123 (-10%) |
| 14/15 | 1,221,923 | 1,216,124 | 5,701 | 19,151 | 128 (+4%) |
| 15/16 | 1,275,343 | 1,203,928 | 5,502 | 19,151 | 130 (+2%) |
| 16/17 | 1,362,475 | 1,283,243 | 6,354 | 19,151 (excludes 2,400m ² of Campus 6) | 138 (+6%) |
| 17/18 | 1,710,901 | 1,282,844 | 7,333 | 22,868 | 131 (-5%) |
| 18/19 | 1,477,066 | 1,324,736 | 7,837 | 22,868 | 123 (-7%) |
| 19/20 | 1,373,614 | 1,114,365 | 8,454 | 22,868 | 109 (-13%) |
| 20/21 | 1,186,386 | 908,280 | 6,763 | 22,868 | 92 (-18%) |
| 21/22 | 1,465,808 | 1,085,702 | 8,075 | 22,868 | 112 (+22%) |
| 22/23 | 1,332,232 | 966,180 | 7,625 | 23,477 | 98 (-12.5%) |
| 23/24 | 1,140,140 | 883,562 | 8,588 | 23,477 | 87 (-11%) |

3. Greenhouse Gas Emissions

The College's only emissions to atmosphere are created by separate boiler plants across the sites. Air source heat pumps have been fitted in the new engineering build.

| Carbon Emissions (kgs) | |
|------------------------|---------|
| 2022/23 | 2023/24 |
| 667,884 | 799,078 |

These Carbon emissions relate to main campus utilities, business travel, waste and land-use. A breakdown is below

| | 22/23 (KgCO2e) | 23/24 (KgCO2e) |
|---|------------------------------|--|
| Main Campus (includes electricity, gas, water, fleet) | 565,693 | 698,884 (more fleet included i.e. fuel for Sanderson etc) |
| Business Travel | 68,091 (business miles only) | 101,377 (business mileage and flights) |
| Waste | 38,436 | 3,153 (decrease due to correction of data for clinical waste) |
| Total | 672,220 | 803,414 |
| Land Use | (-) 4,336 | (-) 4,336 |
| Total – Land Use | 667,884 | 799,078 |

A summary of scope emissions is below;

| | 22/23 (KgCO2e) | 23/24 (KgCO2e) |
|----------------------------------|-------------------|-------------------|
| Scope 1 (includes gas and fleet) | 309,883 | 452,870 |

| | | |
|--|----------------|----------------|
| Scope 2 (includes electricity) | 252,704 | 242,855.42 |
| Scope 3 (includes water, business travel and flights and waste and excludes supply chain, commuting and homeworking) | 109,633 | 107,689.08 |
| Total | 672,220 | 803,414 |

Other Data

All measuring & monitoring of environmental data is reflected within the current objectives & targets.

Legal Compliance

College activity is considered in regard to its importation of raw materials and services; including workplace law and Carbon Trust Updates, the Head of Estates & Facilities/HSSR Manager keep up to date with changes in legislation. As a result, if the Legal Register requires amendment this is implemented immediately by the HSSR team. The HSSR team conducts a review of the Legal Register annually.

The College completes Environmental Management System audits. Non-compliances are identified and prioritised for relevant action.

The HSSR team in conjunction with Heads of Department and Curriculum Area Managers, undertake workplace audits which incorporate environmental aspects. Non-compliances are identified and prioritised for relevant action.

There were no reports of non-compliance made in the academic year 2023/24.

Prevention & Mitigation of Pollution Incidents

Pembrokeshire College is committed to pollution prevention with environmental accidents/incidents being reported directly to the HSSR Team for immediate assessment and action.

The College has reviewed its activities and considers that these pose minimal risk of ground, air or water pollution.

There were no pollution reports made in the academic year 2023/24.

Commitment to Sustainable Development

Action taken since 2012 to improve sustainability include the following projects:

- A further expansion of the building management system;
- Installation of LED lighting in some corridor areas;
- Provision of free cooling to the main server room;

- A further expansion of the building management system;
- A scheme to provide free cooling to other server rooms;
- A third phase of installing LED light fittings to corridor areas;
- Food waste recycling in kitchens;
- Purchase of electric car;
- Communal bins in corridors to encourage recycling;
- Provision of energy efficient communal printers;
- Provision of printing solutions to reduce printing;
- Installation of new energy efficient projectors;
- Triple glazing improvements to Velux windows;
- Variable speed drive fans in catering;
- Improved recycling stations sited for student use;
- New carpets laid have 5% recycled polyester content and a BREAMM rating of A+;
- Plastic cups changed to biodegradable;
- No straws permitted;
- Biodegradable glitter used;
- Hospitality for meetings and events only serving with China;
- Hot drinks prices have been reduced by 20p but if customer not using a reusable cup, then an additional 20p is charged;
- LED lighting in the F1 corridor in classrooms and offices;
- More efficient radiators were installed in the F1 corridor;
- Velux improvement plan to improve thermal efficiency, these are solar powered;
- F1 and F7 works removed 4 computer suites which resulted in reduced air conditioning and will reduce power consumption as PC monitors will not be left on;
- F1 corridor refurbishment, will improve efficient use of space and therefore resources used better;
- A crisp packet recycling scheme has been implemented;
- Strategic planning to close an offsite centre and move it to the main site to reduce carbon emissions in travel and energy use;
- Closure of Bowlings Riding Stables centre which was a poor-quality inefficient building;
- A further £100k investment to upgrade lighting to LED in 2 phases including the library and directed study areas;
- Upgrading of the main campus boilers for better efficiency costing around £120k;
- Development of an Environmental Improvement Plan;
- A further £220k investment to upgrade lighting to LED;
- Committing to Carbon Net Zero by 2030;
- Started Hedgehog friendly campus scheme;
- Planted wildflower meadow;
- Final phase of LED lighting scheme;
- Installation of 16 EV charging points;
- Original windows have been replaced with new high performing windows, the final phase completed in October half term 2023
- 200Kw of solar PV installed on main building
- As part of the construction of the engineering building an air source heat pump and 85Kw of PV were installed
- As part of the construction of the academy building which was completed in August 22 it was designed for Net Zero operation and has an air source heat pump, 50Kw of PV and the thermal insulation was improved to achieve U values.
- A wildflower meadow was completed to the front of the College gates
- A polytunnel was erected for Life Skills learners to grow vegetables and sell

- A new electric car and a van were purchased
- A 100 kW PV array was installed on the TIC building
- An electric van was purchased
- Wildflower seed was sown the bank next to the bus bays
- The last and final phase of the window replacement scheme finished in October 2023
- Two gas fryers were replaced with electric fryers
- The new Welsh waste legislation was implemented in April 2024 which involved physically changing and moving bins and a communication strategy for staff and learners
- The completeness and accuracy of carbon emissions reporting was improved
- White boards and projectors were replaced with promethean screens which are more energy efficient
- An annual refresh of laptops to replace older models with more efficient models has taken place
- In support of the increasing virtual environment the college rationalised the number of physical servers which require electricity and air conditioning in server rooms

Any Other Relevant Issues

The College has obtained a number of national awards for the environmental work they have undertaken as follows:

- Breeam - Excellent
- Green Dragon Level 5
- Runner Up – UK Building Magazine
- Green Gown Awards 2009
 - Highly Commended – Continuous Improvement Institutional Change
 - Highly Commended – Sustainable Construction and refurbishment 2010
 - Winner – Carbon Reduction 2011
 - Highly Commended – Space Efficiency

The College now has a dedicated Sustainability and Environment Committee that works to manage College wide co-operation on sustainable issues, these range from carbon reduction, training, procurement, fair trade, energy consumption, waste management and recycling.

The College accepts the need to ensure that the next generation is well versed in sustainability and is prepared to invest and work hard in order that students understand and appreciate the need to preserve the environment.

Sustainable Development Charter

The College has signed up to the Welsh Government Sustainability Development Charter which requires the College to commit to making sustainable development the central organising principle in how we make our decision and carry out our work. This means we will be:

- Clear about our role, responsibilities and commitments in relation to sustainable development;
- Provide clear leadership for sustainable development, with our organisations and with those we work with;
- Promote continuous improvements so that we continue to reduce the environmental impact of all our activities;

- Embed sustainable development into all our decision-making, including financial decision making;
- Strive to be an exemplar organisation, to lead and inspire others to act.


Pembrokeshire College acknowledges its corporate and social responsibility, the need to maintain legal compliance, and the need to conserve and protect the environment, it is the intention of the College to adopt best practice when addressing issues relating to sustainability and encourage others to do likewise.

The College appreciates the importance and credibility afforded by the Green Dragon Environmental Management System and is proud of its accreditation at Level 5.

Green Dragon Validation

The Sustainability Report is validated as part of the annual Green Dragon Environmental Standard Audit. The information contained within this Environmental Sustainability Report has been sampled and validated by the Green Dragon auditor and found to be a fair and accurate assessment of the organisation's activities and environmental performance over the past year within the organisation's defined scope.

This report is validated by:

| | |
|------------------------|---|
| Name: | Katya Morgan |
| Contact Details: | https://www.greenbusinesscentre.org.uk/ |
| Auditing Organisation: | Groundwork Wales |
| Signature: |  |
| Date: | 28/10/24 |
| Valid until: | 28/10/25 |

Validation of the Environmental Report does not confirm certification of the organisations Environmental Management System to the Green Dragon Standard. Confirmation of certification can be made by obtaining a copy of the organisations valid Green Dragon certificate or visiting the Green Dragon website at www.greendragonems.com.

Signed:



Principal

Date: 27/9/24