

CARBON EMISSIONS REPORT

2023-24



CARBON REDUCTION PROJECTS COMPLETED



Committed to Business Wales' Green Growth Pledge.



Achieved Green Dragon Environmental Standard Level 2.



Solar PV panels installed at Betws Life Centre.



Water telemetry system installed at Bryngarw House and Country Park.



LED lighting installed at Aberkenfig Library, Betws Life Centre, Blaengarw Workmen's Hall and the Met in Abertillery.

AREAS OF REPORTING

Gas

Electricity

Water

Diesel

Petrol

Business travel

Commuting

Homeworking

Waste recycling

Waste to landfill

Supply chain emissions

CARBON FOOTPRINT FOR EACH REPORTING CATEGORY

(Comparison with 2022-23 figures in brackets)

SCOPE

1

(Natural gas, diesel vehicles, petrol equipment)

228 TONNES CO₂e

(5% reduction)

SCOPE

2

(Electricity)

123 TONNES CO₂e

(6% reduction)

SCOPE

3

(Water, business travel, commuting, homeworking, waste, recycling and supply chain)

1,033 TONNES CO₂e

(11% reduction)



TOTAL CARBON EMISSIONS IN 2023-24



1,235 TONNES CO₂e

A REDUCTION OF 6% on 2022-23 figures*

Awen has made a commitment to calculate its carbon (CO₂e) footprint year-on-year and reduce emissions to the lowest practical level.

UTILITIES

In 2024-25, Awen will focus on reducing its utilities-related CO₂ emissions – heating, lighting and water.



* Total reduced by 149 tonnes CO₂e due to carbon removals from the active management of woodlands at Bryngarw Country Park.

CARBON REDUCTION PROJECTS PLANNED



Y Muni in Pontypridd will reopen with new mechanical and engineering systems with full building management system control.



Maesteg Town Hall will reopen with new mechanical and engineering systems with full building management system control.



Awen Libraries' diesel-powered delivery van will be replaced with a new electric vehicle.



Solar battery storage will be installed at Betws Life Centre.



Solar panels and a battery storage system will be installed at Awel y Môr community centre in Porthcawl.



Solar battery storage will be installed at Bryngarw Country Park and Pencoed Library.

ADRODDIAD ALLYRIADAU CARBON

2024-25

PROSIECTAU LLEIHOU CARBON WEDI’U CWBLHAU

- 

Paneli solar ffotofoltaig wedi’u gosod yn Nhŷ a Pharc Gwledig Bryngarw, B-Leaf a Llyfrgell Pencoed.
- 

Cerbydau trydan wedi’u cyflwyno yn lle cerbydau pob tir ym Mharc Gwledig Bryngarw.
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Goleuadau LED wedi’u diweddaru gan oleuadau fflwroleuol yng nghanolfan ymwelwyr a chaffi Bryngarw.
- 

Tapiau â synwryddion mewn toiledau ym Mhafiliwn y Grand, Tŷ Bryngarw, canolfan ymwelwyr Bryngarw a Neuadd Gweithwyr Blaengarw wedi’u huwchraddio.
- 

Lansio cynlluniau aberthu cyflog staff ar gyfer beiciau a cherbydau trydan.

MEYSYDD ADRODD

- Nwy
- Trydan
- Dŵr
- Diesel
- Petrol
- Teithio ar gyfer busnes
- Cymudo
- Gweithio gartref
- Ailgylchu gwastraff
- Gwastraff i safleoedd tirlenwi
- Allyriadau cadwyni gyflenwi

ÔL TROED CARBON AR GYFER POB CATEGORI ADRODD

- CWMPAS
1

(Nwy naturiol, cerbydau diesel, offer petrol)
240.7 TUNNELL O CO₂e
- CWMPAS
2

(Trydan)
131 TUNNELL O CO₂e
- CWMPAS
3

(Dŵr, teithio busnes, cymudo, gweithio gartref, gwastraff, ailgylchu a’r gadwyn gyflenwi)
1166.9 TUNNELL O CO₂e



CYFANSWM YR ALLYRIADAU CARBON YN 2022-23



Mae Awen wedi ymrwymo i gyfrifo ei ôl troed carbon (CO₂e) flwyddyn ar ôl blwyddyn a lleihau allyriadau i’r lefel ymarferol isaf.

*Y flwyddyn lawn ddiwethaf heb ei hamharu arni gan y pandemig.

** Cyfanswm wedi’i leihau gan 218 tonnall o CO₂e oherwydd bod coetiroedd yn cael eu rheoli’n weithredol ym Mharc Gwledig Bryngarw.

CYFLEUSTODAU

Yn 2023-24 a 2024-25, bydd Awen yn canolbwyntio ar leihau ei allyriadau CO₂ sy’n gysylltiedig â chyfleustodau – gwresogi, goleuadau a dŵr.



CARBON REDUCTION PROJECTS PLANNED



Paneli solar ffotofoltaig yng Nghanolfan Bywyd Betws, y Met yn Abertyleri, canolfan gymunedol Awel y Môr ym Mhorthcawl a Neuadd y Gweithwyr Blaengarw.



Mesuryddion dŵr telemetreg ym Mryngarw.



Gosod goleuadau LED yn Llyfrgell Abercynffig, canolfan gymunedol Awel y Môr, Canolfan Bywyd Betws, Neuadd y Gweithwyr Blaengarw, Tŷ Bryngarw a’r ganolfan ymwelwyr, a’r Met.



Gosod goleuadau LED yn Llyfrgell Abercynffig, canolfan gymunedol Awel y Môr, Canolfan Bywyd Betws, Neuadd y Gweithwyr Blaengarw, Tŷ Bryngarw a’r ganolfan ymwelwyr, a’r Met.



•Gwell inswleiddio to i adeiladau amrywiol.



Cerbydau’r llyfrgell wedi’u cyfnewid â cherbydau trydan.