



Well-being Objective 12

Healthy & Safe Environment - Look after the environment now and in the future

We are improving our environment through enhancing biodiversity and using renewable energy in our buildings

We have delivered sustainable projects that protect and enhance our environment. The managed habitat for the marsh fritillary butterfly and 300 ha of local nature reserves are both projects that contribute to sustainability and biodiversity. Renewable energy technology is being used more and more in our buildings and is intrinsically part of all our new builds, with the Authority aim to be 'Carbon Neutral' by 2030. Our Flood Management and Shoreline Management Plans will allow the Authority to deliver its obligations under the Well-being and Future Generations Act, by making Wales more *resilient* and in turn more *prosperous*. However, meeting recycling targets has been extremely challenging this year.

Why it is important

- The *Natural Environment* is a core component of sustainable development. The Environment (Wales) Act 2016 expands the duty placed on public bodies, requiring them to *maintain & enhance biodiversity and promote ecosystem resilience*.
- A biodiverse natural environment, with healthy functioning ecosystems, supports social, economic and ecological resilience. Carmarthenshire's natural environment is the natural resource on which much of our economy is based – tourism, farming, forestry, and renewable energy. It is a major factor that attracts people, both young and older to live, work and visit the county, bringing inward investment with them.
- The Well-being Needs Assessment survey identified a strong relationship between residents' well-being and their surrounding environment from providing recreational opportunities, to psychological positivity, health benefits and a connection to heritage and culture.

Success Measures



We generated **979,071**
kWh (provisional) of
renewable energy during
2018/19
(increased from 937,330 kWh
in the previous year)



Our recycle rate is
58.94%
(This is less than the
previous year's figure of
63.64%, but we continue to
meet our target)



Explaining the Results

- **Renewable energy** – We continue to invest in solar photovoltaic (PV) systems on our non-domestic buildings with a total installed capacity of 1.15 MWp. This has generated over 979,071 kWh (provisional) of Electricity during 2018/19, a 4.5% increase on the previous year of 937,330 kWh.
- **Recycling** declined in 2018/19 to 58.94% from 63.64% the previous year. The decline is predominantly as a result of the difficulties with export markets for residual waste (refuse derived fuel outlets). However we have met the statutory target of 58%.

Progress Made

- ⦿ The project continues to manage 24 sites that provide 40.46ha of habitat in suitable condition for the marsh fritillary butterfly. Survey results in summer 2018 show that numbers of larval webs recorded were exceptionally high this year with 86 webs recorded on one site. Habitat surveys found new records of marsh fritillaries in 31 fields, across the area, expanding our knowledge of the butterfly in this part of the county, and this work will inform the new Local Development Plan and the revision of the Caeau Mynydd Mawr SPG. The project continues to ensure the appropriate grazing of the land in management's agreements, often assisting landowners in finding suitable grazing animals. It has also been making use of the Glas Tir small grants scheme, when it can, for hedgerow management.
- ⦿ The Council has a significant new build programme. All major new build projects incorporate renewable energy technologies where appropriate with solar PV installations incorporated into many recent Modernising Education Provision 21st Century school projects.
- ⦿ In addition, all non-domestic projects receiving an element of Welsh Government funding are required to achieve a BREEAM (Building Research Establishment's Environmental Assessment Method) rating of 'Excellent', a part of which is linked to designing buildings to achieve reductions in energy use and carbon emissions.
- ⦿ We have completed our Flood Risk Management Plans to protect homes & properties in Carmarthenshire.

The **Caeau Mynydd Mawr Marsh Fritillary Project** received an award for '*Planning in the Natural Environment*' category at the National RTPi Awards for Planning Excellence.



Executive Board Member
For Public Protection:
Cllr Philip Hughes



View our [detailed progress here](#)
against this objective