

1 March 2023

Dear

ATISN 17113 Evidence used to develop the Environmental Protection (Single-use Plastic Products) (Wales) Bill

Information requested

Thank you for your request which I received on 2 February 2023. You asked for:

- the reports of single use plastics vs environmentally friendly alternatives.

Our response

I have interpreted your request to provide you with the publicly-available lifecycle analyses we used for policy development. Annex 1 lists the published reports with links.

Next steps

If you are dissatisfied with the Welsh Government's handling of your request, you can ask for an internal review within 40 working days of the date of this response. Requests for an internal review should be addressed to the Welsh Government's Freedom of Information Officer at:

Information Rights Unit,
Welsh Government,
Cathays Park,
Cardiff,
CF10 3NQ

or email: Freedom.ofinformation@gov.wales

Please remember to quote the ATISN reference number above.

You also have the right to complain to the Information Commissioner. The Information Commissioner can be contacted at: Information Commissioner's Office, Wycliffe House, Water Lane, Wilmslow, Cheshire, SK9 5AF.

However, please note that the Commissioner will not normally investigate a complaint until it has been through our own internal review process.

Yours sincerely

Annex 1 List of published reports

Defra, 2012. Assessing the Environmental Impacts of Oxo-degradable Plastics Across their Life Cycle
Earthwatch Institute, 2019. Plastic rivers: reducing the plastic pollution on our doorstep (earthwatch.org.uk)
Environmental Protection Agency (Denmark), 2018. Life Cycle Assessment of grocery carrier bags
Environment Agency, 2007. Life cycle assessment of supermarket carrier bags: a review of bags available in 2006
Eunomia, 2020. What is Plastic? A Study Exploring the Potential for Certain Materials to be Considered as Exempt from the Single Use Plastics Directive, with Particular Focus on Man-Made Cellulosic Fibres
European Bioplastics, 2020. Frequently asked questions on bioplastics
European Commission, 2018. Single-use plastics (europa.eu)
European Commission, 2021. Commission notice — Commission guidelines on single-use plastic products in accordance with Directive (EU) 2019/904 of the European Parliament and of the Council on the reduction of the impact of certain plastic products on the environment
European Union, 2018. Life Cycle Inventories of Single Use Plastic Products and their Alternatives
European Union, 2019. Directive (EU) 2019/904 of the European Parliament and of the Council of 5 June 2019 on the reduction of the impact of certain plastic products on the environment
Global Plastics Policy Centre, 2022. A global review of plastics policies to support improved decision making and public accountability
United Nations, 2020. Single-use plastic take-away food packaging and its alternatives - Life Cycle Initiative
United Nations, 2020.

[Single-use plastic bags and their alternatives: Recommendations from Life Cycle Assessments - Life Cycle Initiative](#)

United Nations, 2021.
[Addressing single-use plastic products pollution using a life cycle approach \(lifecycleinitiative.org\)](#)

United Nations, 2021.
[Single-use plastic tableware and its alternatives: Recommendations from Life Cycle Assessments - Life Cycle Initiative](#)

United Nations, 2021.
[Life Cycle Initiative Progress Report 2020 - Life Cycle Initiative](#)

United Nations, 2022.
[Life Cycle Initiative Progress Report 2021](#)

Welsh Government, 2016.
[Post-implementation review of the single use carrier bag charge in Wales: final report | GOV.WALES](#)

Welsh Government, 2020.
[Impacts of a ban or restrictions in sale of items in the EU's single use plastics directive | GOV.WALES](#)

Welsh Government, 2022.
[The Environmental Protection \(Single-use Plastic Products\) \(Wales\) Bill: Explanatory Memorandum](#)

WRAP, 2022.
[Single-use cups and on-the-go fibre-composite food packaging | WRAP](#)