

# Decommissioning and restoration

**RES has proven experience in the decommissioning of battery energy storage systems, returning the site to its original use in a safe and efficient**

The Westport site would be returned to its original use at the end of its life. Once all materials and components have been removed, topsoil we aim to retain during the construction phase, will be reseeded, according to the landowner's requirements.

Traditionally, decommissioned materials end up in landfill, contributing to environmental degradation. We aimed to break this cycle in the recent decommissioning of two projects, by prioritising reuse and recycling for each of the batteries, in addition to the transformers, cabling and components that had further useful life. Concrete was repurposed by crushing it into aggregate.

By demonstrating the feasibility of a nearly waste-free decommissioning process and meeting our goal of recycling 98% of project materials, we hope to set a precedent for sustainable practices in the industry.

This aligns with our commitment to environmental stewardship but also serves as a blueprint for future decommissioning projects, paving the way towards a more sustainable energy landscape.

There are current directives to ensure battery producers are responsible for minimising harmful effects of waste batteries on the environment and they must accept batteries for recycling and disposal at the end of life. Recovered materials can be used to make new batteries from recycled batteries. This reduces manufacturing costs, the quantity of materials sent to landfill and our reliance on mining. As the battery markets grows, we are already seeing the number of techniques available for recycling increase.

The decommissioning and restoration of the site is usually secured via a planning condition and through obligations within land agreements.



Image for illustrative purposes only

**Westport Battery Energy Storage Proposal**

[westport-energystorage.co.uk](http://westport-energystorage.co.uk)

