Next Steps

We will shortly submit a revised planning application for Mullafarry BESS to Mayo County Council for their consideration. The statutory consultation period for formal comment and submissions will open once the planning application has been lodged. This will be publicised through the required notices at the site entrance and newspaper advertisements.

It is our hope that construction will begin in 2026 and Mullafarry BESS will become operational in 2028, subject to receiving the necessary planning consent and a final investment decision by SSE Renewables.

Contact us

Should you have questions regarding the project, please contact our Community Liaison Officer, Tom Burke, via email, telephone or post. Information is also available online at **www.sserenewables.com/mullafarry**.

Tom Burke – Community Liaison Officer

Email: CLO@sse.com **Mobile:** 086 042 1776
Post: Tom Burke, Tawnaghmore Power Station, Killala Business Park, Co. Mayo, F26 EK2

About SSE Renewables

SSE Renewables is a leading developer and operator of renewable energy generation, focusing on onshore and offshore wind, hydro, solar and battery storage. Part of energy infrastructure company SSE plc, UK-listed in the FTSE100, it is delivering clean power assets to increase SSE's operational renewable generation capacity from 5GW today to up to 9GW by 2027 as part of a €24bn clean energy plan, the five-year Net Zero Acceleration Programme (NZAP) Plus. This includes delivery of the world's largest offshore wind farm in construction, the 3.6GW Dogger Bank Wind Farm.

SSE Renewables operates some of the largest onshore wind farms on the island of Ireland including the 174MW Galway Wind Park in Connemara and the 73MW Slieve Kirk Wind Park outside Derry City.

SSE Renewables has a team of over 2,000 renewable energy professionals with a passion for championing clean energy delivery, each based across the markets in which it operates. Its core market focus is on the UK and Ireland, with a growing international presence in carefully selected markets in Continental Europe and Japan.

Mullafarry Battery Energy Storage System (BESS)

Information Leaflet - February 2025

Mullafarry Battery Energy Storage System (BESS)

Mullafarry BESS is a proposed 80MW | 160MWh battery storage project located at an existing SSE-owned site in the townland of Tawnaghmore Upper, adjacent to the company's existing 104MW Tawnaghmore Power Station at Killala Business Park, North Mayo. Battery energy storage systems have a vital role to play in helping Ireland decarbonise its electricity system and can store the increasing levels of renewable energy when they are producing surplus energy.

Mullfarry BESS will be able to store enough energy to power over 75,000 Irish homes for up to 2 hours at a time, will act as a power reserve when electricity generation drops below demand and will also provide additional services to ensure the correct and proper functioning of Ireland's electricity grid – the means by which electricity gets from where it is generated to the distribution network and onwards to homes and businesses across Ireland.

Planning permission for a battery storage facility at this site was originally granted by Mayo County Council in 2018, with that consent now expired. Therefore, a new planning application, with an improved design and increased battery capacity, is now being submitted.

Project Description

Mullafarry BESS will include a battery energy storage system facility, consisting of battery containers with heating, ventilation, air conditioning and associated infrastructure. It will consist of 26 to 38 battery units, with our planning application containing flexibility for both options to allow for potential future technological advances in battery technology.

As noted, our planning application allows for design flexibility. The containers holding the batteries will be 3.4m to 4.5m high and placed on concrete plinths. Each battery container will be placed in modular racks to allow ease of replacement.

Mullafarry BESS is relatively small in scale, will be enclosed within an existing industrial site and will be completed in a relatively short time for a construction project.

The external appearance and cladding of the structures will be designed to integrate it with its setting in an industrial estate at Killala Business Park. Mullafarry BESS will be connected to the existing ESB substation to the southeast via underground cabling, within SSE and ESB lands.

Access to the proposed development site will be via an existing internal road serving Killala Business Park from the main R314 Ballina to Killala road to the east.

Image 1 and Image 2: The SSE Salisbury Battery Storage project in Wiltshire, England. A project similar in design to the proposed Mullafarry BESS.

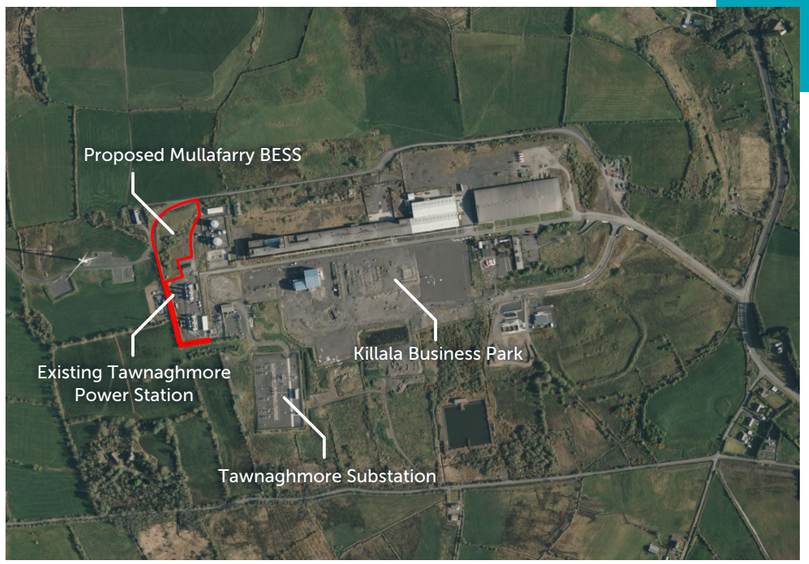

Image 3 - Indicative site boundary for Mullafarry BESS (red line), adjacent to Tawnaghmore Power Station.

About Battery Energy Storage Systems

Battery storage has a vital role to play in helping Ireland decarbonise its electricity system. Batteries can store the increasing levels of renewable energy generated from sources like solar farms and wind farms when they are producing surplus energy. Batteries can then supply the stored power back to the electricity grid when it is needed the most – helping to manage peaks of energy demand. This means we can balance energy supply and demand more effectively and maximise the potential of renewable technology to power the grid – even when the sun is not shining, or the wind is not blowing. Battery storage is therefore a vital part of unlocking the path to a greener future.

Most grid-scale battery-based energy storage systems use rechargeable lithium-ion battery technology. Lithium-ion batteries have been widely used for the last 50 years in technology all around us like mobile phones and electric and hybrid cars. SSE Renewables only works with the leading manufacturers of such technology, with a proven track record in safety.

Benefits of Mullafarry BESS

There are several benefits to the proposed battery project, including:

- Employment during the construction phase of the project.
- Ability to store energy, therefore increasing Ireland's energy security.
- Rates payments to Mayo County Council, which will contribute to the provision of services and infrastructure improvements in the county more widely.
- Helps ensure the smooth functioning of Ireland's electricity grid.
- Reduces dependence on fossil fuels, particularly as a backup power source on days of lower renewable energy generation when the sun doesn't shine, or the wind doesn't blow.