



White Hill Wind Farm Electricity  
Substation & Electricity Line

## Environmental Impact Assessment Report

### Annex 9.2: Landscape & Ecological Mitigation Plan

White Hill Wind Limited

Galetech Energy Services

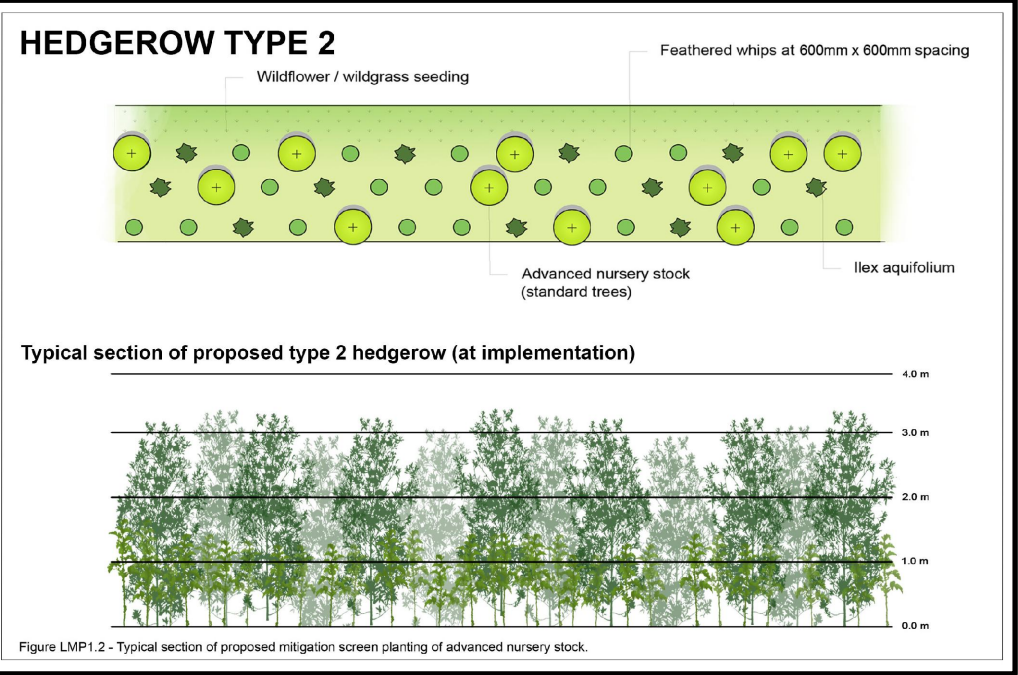
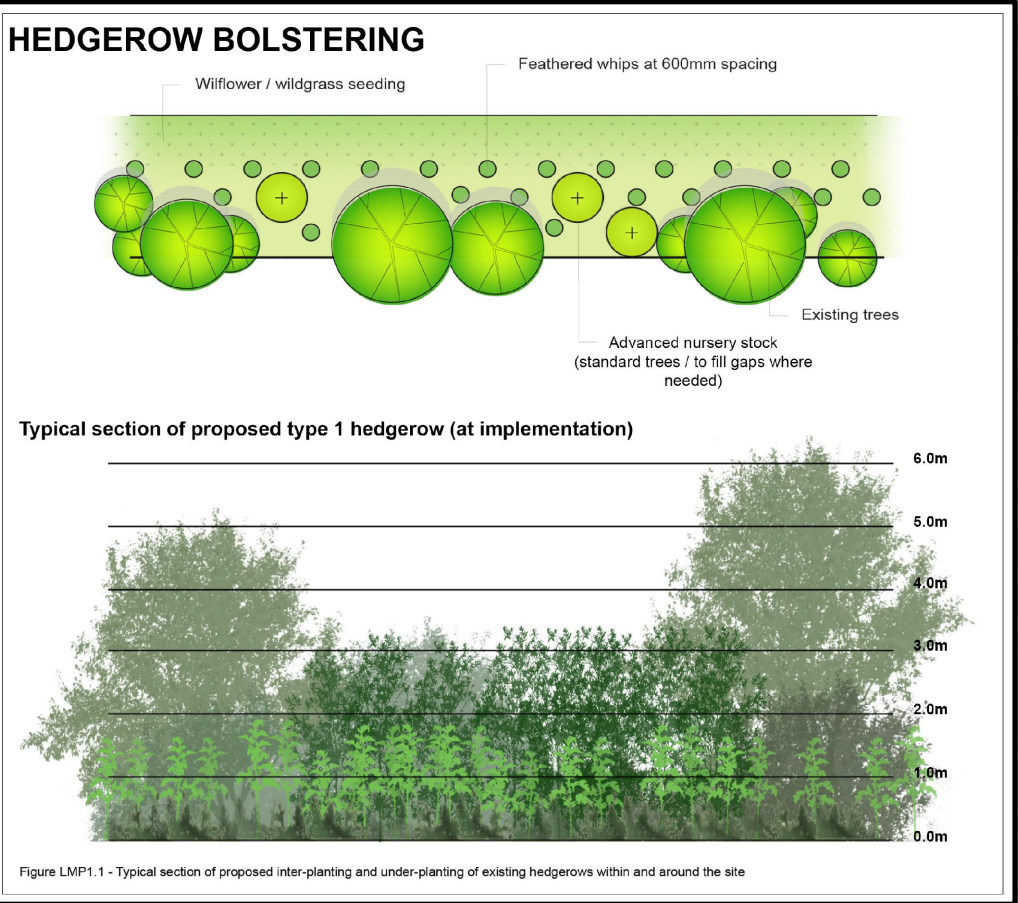
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**NATIVE HEDGEROW SPECIES :**

Botanical name	Common name	Size	%
<i>Primary structure:</i>			
<i>Crataegus monogyna</i>	Hawthorn	80-100cm / 10-12cm girth 3m br standard trees	60%
<i>Secondary structure:</i>			
<i>Prunus spinosa</i>	Blackthorn	80-100cm	15%
<i>Quercus robur</i>	Pendunculate oak	80-100cm	15%
<i>Shrub species structure:</i>			
<i>Salix cinerea</i>	Grey willow	40-60cm	2.5%
<i>Viburnum opulus</i>	Gelder rose	40-60cm	2.5%
<i>Rosa canina</i>	Dog-rose	40-60cm	2.5%
<i>Lonicera periclymenum</i>	Honeysuckle	40-60cm	2.5%

**Registered Landscape Architect**

**Legend:**

- EXISTING HEDGEROW BOLSTERED (TYPE 1)
- PROPOSED HEDGEROW (TYPE 2)
- NATIVE GRASS SEED MIX / GRASSLAND MANAGEMENT
- SOIL DEPOSITION AREAS

**Notes**

The function of the proposed mitigation planting is primarily for screening, but it will also enhance the ecological corridors that area already present within the surrounding trees lines and hedgerows.

It is imperative to use native Irish species in so far as possible as they are adapted to Irish conditions and therefore more likely to thrive compared to imported stock. Selected species should also represent woodland and hedgerows in the surrounding environs although non-native species are not to be used, unless otherwise agreed with the Planning Authority.

All plants supplied shall be exactly true to name as shown in the plant schedules. Varieties with variegated and/or coloured leaves will not be accepted, and any plant found to be of this type upon leafing-out shall be replaced by the contractor. Bundles of plants shall be marked in conformity with BS3936: Part 1: 1965 and BS3936: part 4: 1966. The nursery supplier shall replace any plants which, on leafing out, are found not to conform to the labels.

**Hedgerows**

Mitigation screen planting shall consist of a mixture of native hedgerow species that are prevalent in the immediate area. Planting to consist of feathered whips (of various sizes) and advanced nursery stock (where necessary) in staggered rows at a spacing of 600mm.

All native species will be planted as whips, with the primary and secondary structure species to be of a minimum height of 80-100cm and the other shrub species to be of a minimum height of 40-60cm.

Existing and new sections of hedgerow to be planted and bolstered as per diagram LMP1.1 and LMP1.2 and maintained at a height of 3-4m unless otherwise specified.

**Field Margins/Grassland Management**

Field margins to be planted and/or managed in accordance with the BRIDE project EIP techniques. A minimum width of 2m from the base of the hedgerow is recommended. It will be important to flail these margins every year during the period of September 15th to February 28th. A full management regime in accordance with best practice will be adhered to, ensuring that the species will thrive through natural regeneration. Field margin management techniques and wildflowers have been shown to increase biodiversity at similar development sites, with numbers of pollinators clearly benefitting from these food sources and an increased presence of other animals in these margins being evident as well when compared to improved grassland margins managed more intensively.

Species mix to be finalised in conjunction with the project ecologist.

**Landscape Figures**

Hedgerow Removal - c. 141 linear meters  
Existing Hedgerow Bolstered (Type 1) - 922 linear meters  
New Hedgerow (Type 2) - 220 linear meters

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**Gaeitech Energy Services**

Site location:  
**COUNTY KILKENNY**

Drawing Title:  
**LANDSCAPE AND ECOLOGICAL MITIGATION PLAN**

Project:  
**WHITE HILL SUBSTATION**

Drawn by:  
RAH

Checked by:  
GD

Drawing Ref:  
**LD.WHTHILL-SBST 1.0**

Scale:  
1:1000 @ A1

Date:  
FEBRUARY 2025

**ISSUED**

EXISTING HEDGEROW RETAINED  
Existing hedgerow to be retained and protected.

PROPOSED HEDGEROW (TYPE 2)  
Proposed hedgerow comprising a native whip planting mix and advanced nursery stock. Hedgerow to be managed at a height of c. 3m

HEDGEROW REMOVAL  
c. 141 linear meters of hedgerow to be removed to facilitate the proposed substation compound.

MEADOW/GRASSLAND MANAGEMENT  
Existing areas of grassland to be managed as meadows. Where the soil has been disturbed from construction stage activity, it is proposed to allow natural colonisation of these areas. Where possible, locally sourced Yellow Rattle seed (*Rhinanthus minor*) is to be added to areas of grassland/disturbed soils. No fertiliser or herbicides are to be used for the management of grasslands.

