



White Hill Wind Farm Electricity
Substation & Electricity Line

Environmental Impact
Assessment Report

Annex 9.2: Landscape &
Ecological Mitigation
Plan

White Hill Wind Limited

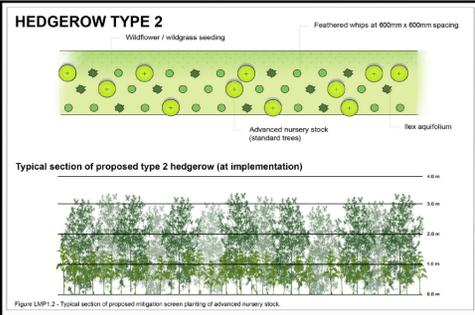
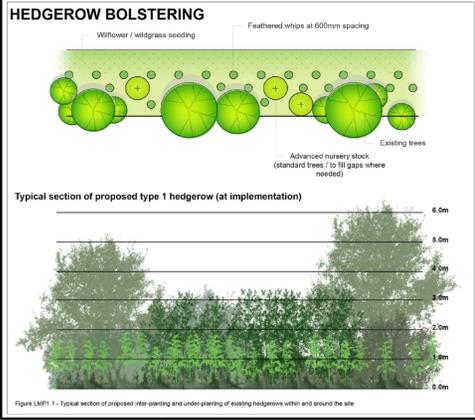
Galetech Energy Services

Clondargan, Stradone, Co. Cavan Ireland

Telephone +353 (0)49 555 5050

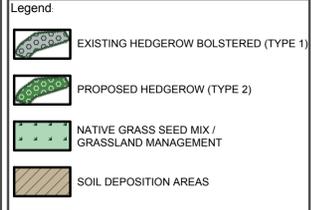
www.galetechenergyservices.com





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>	Gueider rose	40-60cm	2.5%
<i>Rosa canina</i>	Dog-rose	40-60cm	2.5%
<i>Lonicera periclymenum</i>	Honeysuckle	40-60cm	2.5%



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 benefiting 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

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.

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

Prepared by:
MACRO WORKS,
 HIBERNIA HOUSE,
 CHERRYWOOD BUSINESS PARK,
 LOUGHLIN TOWN, DUBLIN 18
 01353 (01) 2303565
 info@macroworks.ie

Prepared for:
Gaeltach Energy Services

Site location:
COUNTY KILKENNY

Drawing Title:
LANDSCAPE AND ECOLOGICAL MITIGATION PLAN

Project:
WHITE HILL SUBSTATION

Drawn by:
 RAH

Checked by:
 CD

Drawing Ref:
LD.WHTHILL-SBST 1.0

Scale:
 1:1000 @ A1

Date:
 FEBRUARY 2025

ISSUED



