

# Kilgarvan Wind Farm Repowering



## The Project

The plan is to remove the existing 28 turbines at Inchincoosh, Lettercannon and Inchee in the coming years and replace them with fewer turbines, but with larger, more modern generators. Under our current layout design, we envisage there being 11 turbines installed on the site in the place of the existing 28, although this is subject to possible changes between now and the planning application being submitted in 2023.

This Repowering of the site will enable us to improve its efficiency and extend its life span out into the future. By improving the efficiency, we can help to ensure that there is a greater percentage of renewable energy available on the national grid for longer periods of time, helping to offset costly alternatives that would otherwise need to step in.

The 11 planned new turbines will be up to 200m tip height. This has been decided upon following careful consideration of any potential landscape and visual impacts from the site, with careful design and extensive modelling showing that the overall visibility of the site should not change significantly. They will be set back a minimum of 800m from existing dwellings, with this setback being much greater than this in most cases.

We will be reusing a large majority of the existing site roads, with some widening and realignment needed in parts. The existing on-site Coomagearlahy 110kV substation will also be reused, which provides direct access into the existing national grid infrastructure.

Delivery of any new turbine components will take place when the roads are quiet, along the new N22 Macroom—Baile Bhuirne Bypass and using the existing site entrance off the N22 at Cloonkeen, ensuring that any potential disruption to residents and commuters will be minimal.



## Project Description

The project as it currently stands will comprise:

- 11 No. wind turbines and a meteorological mast.
- Upgrade of the existing tracks/roads and provision of new site access roads and hardstand areas;
- Upgrade of the existing onsite Coomagearlahy 110kV substation;
- Temporary construction compound(s);
- Borrow Pit(s)
- All associated site development works and apparatus, including onsite underground cabling and electrical works.

## Project Timeline

