



Powering Up Wicklow

North Wicklow Reinforcement

Public Consultation



Who is EirGrid and what do we do?

EirGrid develops, manages and operates Ireland's electricity grid. We are responsible for ensuring the safe, secure and reliable supply of electricity, connecting power generated onshore and offshore to homes, businesses and communities across Ireland. As we plan and build the grid for the future, we are enabling the transition to clean energy and supporting Ireland's social and economic growth.

What is Powering Up Wicklow?

Powering Up Wicklow is a critical programme of works that will strengthen key electricity infrastructure in Wicklow.

The existing electricity infrastructure in Wicklow is at risk of reaching its capacity limit.

The increase in demand is being driven by several sectors, including:

- Integration of renewable energy connections.
- Commercial and industrial development.
- Residential housing; and
- Electrification of heat (heat pumps) and transportation (electric vehicles and public transport).

Meeting this demand will require new electricity infrastructure to allow the grid to deliver electricity to where it is needed.

What is the North Wicklow Reinforcement project?

This programme of work requires a new 220/110 kV substation and a 110/38 kV/MV substation in the Greystones/Delgany/Kilpedder area. The North Wicklow Reinforcement Project will reinforce the electricity grid in North Wicklow, ensuring sufficient capacity is available for future increased demand.

The best performing technology solution has been identified through a multi criteria assessment:

- A new 110/38 kV/MV Gas Insulated Switchgear (GIS) Substation in Zone 1.
- A new 220/110 kV Gas Insulated Switchgear (GIS) Substation in either Zone A or Zone B.
- An underground cable connecting the new substations to each other.



What is a substation?

An electricity substation is a key part of power grid infrastructure. It takes high voltage electricity from power stations and reduces it to a safer, lower voltage. This allows the power to then be transmitted to homes and businesses. Substations help to control the flow of electricity, ensuring a safe and stable supply.



Project Benefits



Security and reliability of supply

Building a more resilient and reliable electricity grid helps ensure that everyone has power when and where they need it. This upgrade will also enable independence by harnessing greener energy sources.



Meet future needs

These improvements will also help to meet the growing and changing electricity needs of Wicklow. This includes the electrification of transport systems, vehicles and heating, the requirement of large energy users and the development of housing and businesses.



Sustainability

Powering Up Wicklow will enable the county to use and transmit electricity generated from offshore wind energy. This is a vital step to help Ireland transition to a low-carbon and affordable electricity future.



Economic

These critical upgrades will help strengthen Wicklow's economy, encouraging and supporting future investment.



Community

Our community benefit policy will directly support local Wicklow communities in the areas that host the project infrastructure.



Local

Helping to meet increasing local transport and housing electrification requirements.

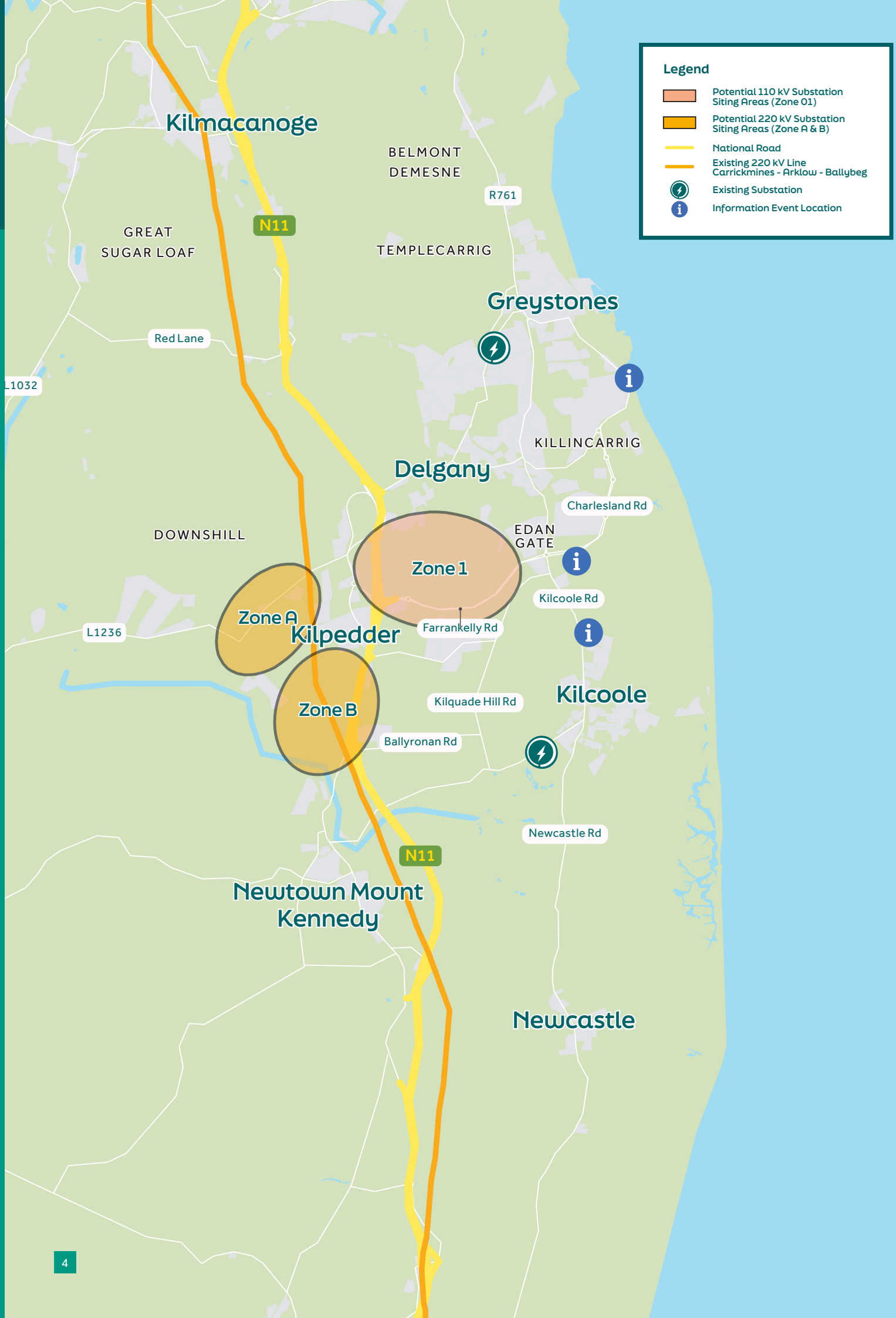
What is happening now?

Due to the growing electricity demand in Greystones, there is a requirement for the 110/38 kV/MV substation to be close to the village. One zone has been identified within the study area as appropriate for this substation.

A number of zones were brought through a Multi Criteria Assessment (MCA) to identify which could be potentially suitable to build the proposed new 220/110 kV substation. Following the MCA, two zones have been identified by EirGrid as potential locations for a 220/110 kV substation in the area. There is a requirement for the 220 kV substation to be located close to the existing 220 kV circuit west of the M11.

You can read more about how these zones were selected in the Step 3 report available to view and download on the project website EirGrid.ie/Wicklow.





Legend

Future Required Circuit Connection

Potential 110 kV Substation Siting Areas (Zone O1)

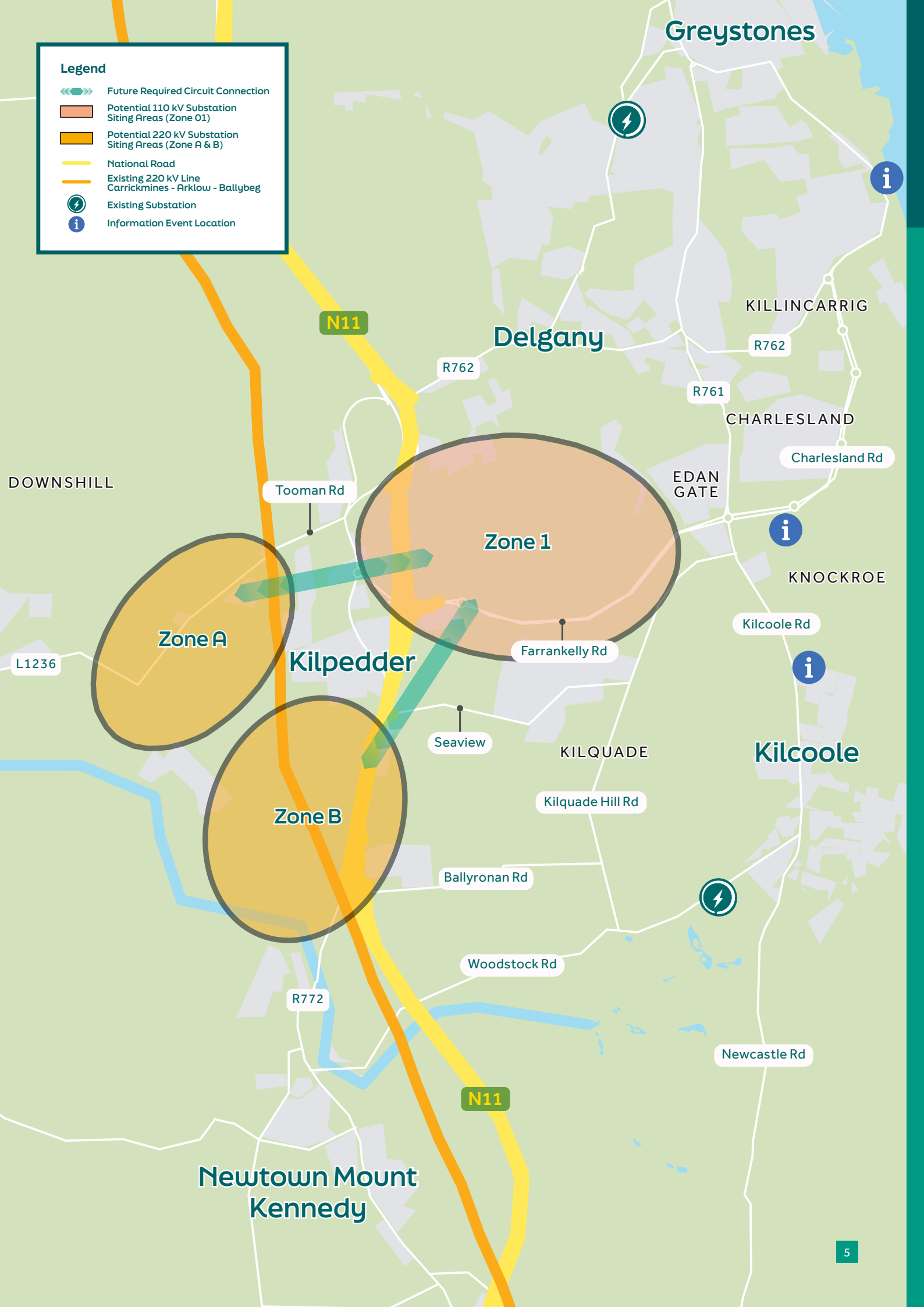
Potential 220 kV Substation Siting Areas (Zone A & B)

National Road

Existing 220 kV Line Carrickmines - Arklow - Ballybeg

Existing Substation

Information Event Location





Have your say

EirGrid is now holding a public consultation, seeking feedback on the following aspects of the North Wicklow Grid Reinforcement Project:

- Observations on the proposed zones to build:
 1. A new 110/38 kV/MV GIS substation
 2. A new 220/110 kV substation
- Observations on a potential underground cable route to connect the two substations to each other.

The public consultation will take place from Tuesday 20 October to Friday 11 December 2026.

All of the project details, including a project brochure and detailed reports, are available to view and download on our website at EirGrid.ie/Wicklow.

We want to hear your views. Your feedback will be taken on board, reviewed and considered during the design process. You can get involved in the consultation and provide feedback in a range of ways:

- Online at Consult.EirGrid.ie
- By post to:
North Wicklow Grid Reinforcement Project,
EirGrid PLC, The Oval, 160 Shelbourne Road,
Dublin 4, D04 FW28

Information Events

Throughout the consultation, EirGrid is holding a series of drop in public information events. Visit one of our events at the following locations to find out more and to meet the team.

Location	Date	Time
The Grid, Charlesland Greystones, A63 T9K1	10th November	12 - 3pm
Kilcoole Community Centre, Lott Lane Kilcoole, A63 X862	12th November	1 - 5pm
Greystones Library Mill Road, Greystones A63 KN52	26th November	4 - 8pm

Further Information

If you have any queries, please contact:



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Scan here to view
the Reinforcement
Consultation Portal

Consult.EirGrid.ie/en/consultation/north-wicklow-reinforcement-consultation-2026