



West Dublin Project



Project Information Brochure Stage 1

Spring 2015





What is the West Dublin project?

The West Dublin project calls for a new 220/110 kV Gas Insulated Switchgear (GIS) electricity substation and associated connections.

The proposed substation will connect to the existing Inchicore – Maynooth 220 kV double-circuit overhead line (see figure 1), and will be located in the Grange Castle Business Park area.

Why do we need this project?

As the state-owned transmission system operator, it is our role to provide a platform for renewed economic growth and local development.

In this case, there is a significant local increase in electricity demand, associated with major multinational customers at Grange Castle Business Park.

Benefits

Economic Growth at Grange Castle Business Park

The West Dublin project aims to provide a platform for economic growth through further development of Grange Castle Business Park.

As well as satisfying current demand, the improved electricity infrastructure will create the potential for future development by other companies at Grange Castle Business Park.

Consideration of Social Impact

We have already received feedback from elected representatives in the area on how this project could benefit the local community. We are working to include further social dividends into this project, where possible.

This includes the potential opportunity to remove part of the existing Inchicore – Maynooth 220 kV overhead line (see figure 1), if the proposed substation is located south of the Grand Canal.

Site and Route options

The location of the new electricity demand is in the vicinity of Grange Castle Business Park. As such, it is proposed that the development will occur within the red line boundary indicated in Figure 1.

For this consultation, we welcome your views on all eleven sites which were identified and assessed. However, to guide your feedback, we have indicated an emerging preference for three sites (C, D and E) which were considered to best fit our technical, strategic and social objectives.

We aim to use underground cables, rather than overhead lines, if the substation is located south of the Grand Canal.

In the event that underground cables are utilised, two interface compounds will be required. The interface compounds are required to connect underground cables

Example of a typical GIS substation



Public Consultation Open Day



to the existing 220 kV overhead lines. In this instance EirGrid will, where possible, work to “design out” part of the existing line between the two compounds. The conductors and masts between the two break-in points would also be decommissioned and removed.

We are also investigating route options for a 110 kV circuit connection route from the existing Corkagh 110 kV Station (in Grange Castle Business Park) to the proposed new substation.

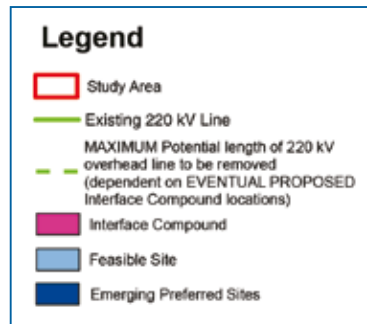
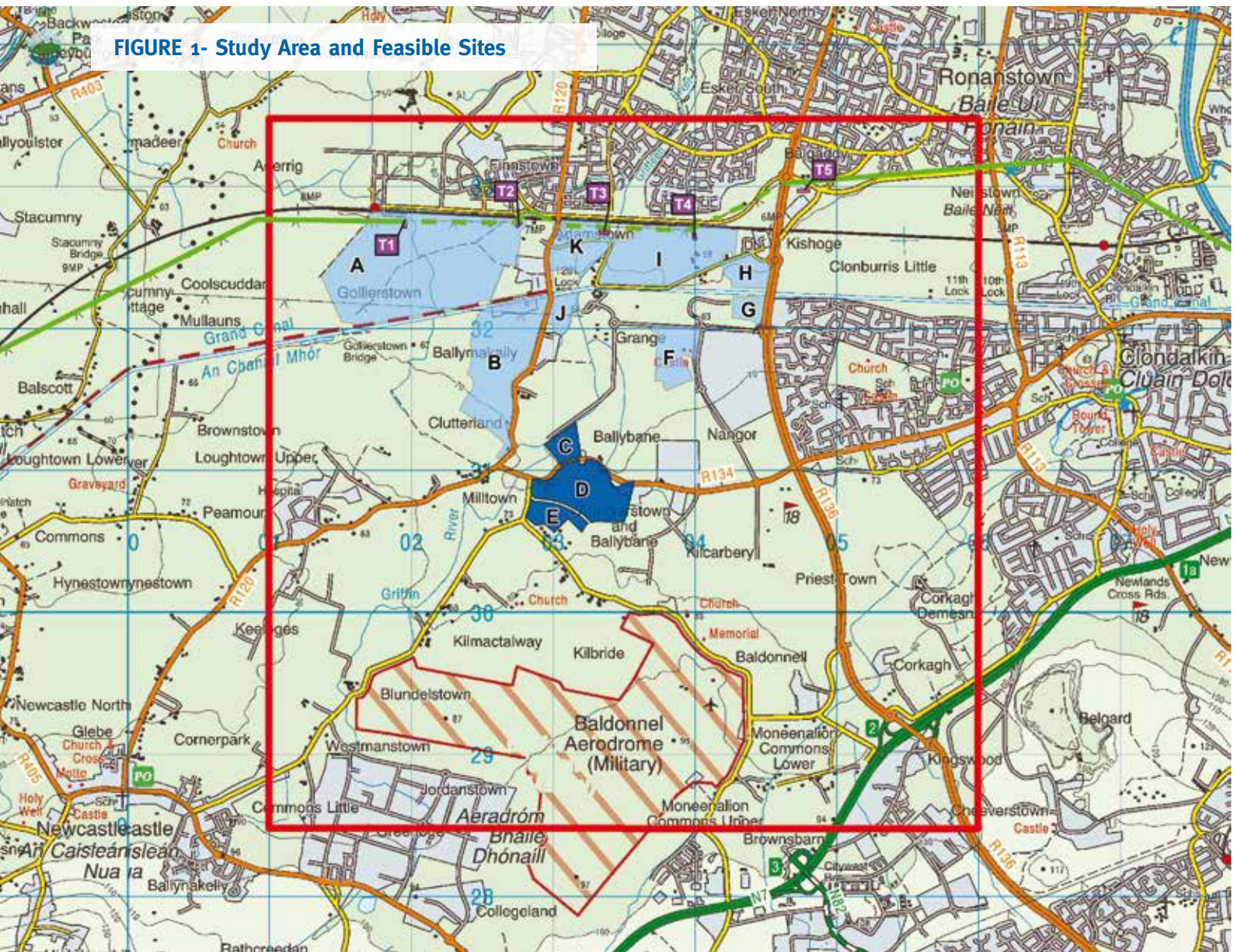


FIGURE 1- Study Area and Feasible Sites



Underground Cables

Underground cables will be considered to connect a substation site south of the Grand Canal to the existing Inchicore-Maynooth 220 kV overhead line. Our three preferred substation sites (C, D and E) are located south of the Grand Canal.

Overhead lines will only be considered to connect proposed substation sites located north of the Grand Canal to the existing Inchicore-Maynooth 220 kV overhead line, where it is in close proximity.

Project Timeline and Next Steps

July 2014	Project approval
September 2014	Information gathering
December 2014 – January 2015	Consultation with local representatives
February 2015	Beginning Stage 1 Consultation
March 2015	End Stage 1 Consultation
May 2015	Beginning Stage 2 Consultation
June 2015	End Stage 2 Consultation
July 2015	Stage 3 (Confirming design)
September 2015	Stage 4 (preparation of planning application)
Autumn 2015	Lodgment of Planning Application
2018-2019	Substation operational

Public Consultation

Your feedback is central to how we move forward with the West Dublin 220/110 kV Project.

As part of Stage 1, we are seeking input from community organisations, residents, public representatives and other interested parties on:

- the overall project
- preferred substation sites
- alternative substation sites
- circuit route locations
- any other information that might be considered in the development of this project

Public engagement during Stage 1 will take the form of consultation events, engagement with the media, advertisements, meetings, written correspondence, the establishment of a dedicated project webpage and further forms of engagement, where they are deemed necessary.

At the conclusion of Stage 1, your feedback will be incorporated into our Stage 2 report, which we aim to publish in May 2015.

You will then have a further opportunity to provide input into the project. As part of our Stage 2 public consultation, we aim to consult on the preferred substation site, interface compounds and circuit routes.

If you would like to make a submission, arrange a meeting with an EirGrid representative, or request further information on any aspect of this project, please contact us as per the details below.

Contact Details:

Ph: 01 237 0479

Email: westdublin@eirgrid.com

Address: Project Manager - West Dublin 220/110 kV Project, The Oval, 160 Shelbourne Rd, Ballsbridge, Dublin 4

Project Development & Consultation Roadmap

You are Here



About EirGrid

EirGrid is a state-owned company and is the national operator of the electricity grid. The national grid is an interconnected network of high voltage power lines and cables, comparable to the motorways, dual carriageways and main roads of the national road network. It is operated at three voltage levels; 400 kV, 220 kV and 110 kV and is approximately 6,400 km in overall length. It is the backbone of Ireland's power system and is vital to ensuring that all customers; industrial, commercial and residential from both rural and urban areas to cities, have a safe, secure, reliable, economic and efficient electricity supply.

What is Grid25?

Grid25 is a major initiative to put in place a safe, secure and affordable electricity supply throughout Ireland, supporting economic growth and utilising our renewable energy resource to its maximum potential. Development of the grid is essential to provide a platform for renewed economic growth and regional development, and is vital if we are to effectively tap into our abundant renewable energy resources. Grid25 will involve upgrading the high voltage system and an overall investment of approximately €3.2 billion in the period up to 2025. This new infrastructure is every bit as essential to the future growth of the country as any investment in road, rail and broadband.

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