



# Powering Up Dublin

Central Dublin  
Substation Project

[EirGrid.ie/dublin](https://eirgrid.ie/dublin)

## Who is EirGrid and What Do We Do?

EirGrid is a state-owned company that develops, manages, and operates Ireland's electricity grid. We are responsible for the safe, secure, and reliable supply of Ireland's electricity. EirGrid is responsible for leading the secure transition of the electricity grid to a sustainable, low carbon future.

The grid brings power from where it is generated to the domestic network that supplies the electricity we use every day in homes, businesses, schools and hospitals.

## What is Powering Up Dublin?

Powering Up Dublin is a critical programme that will strengthen key electricity infrastructure in Dublin and the surrounding areas, helping to make Ireland 'renewable ready'. This programme will help deliver a consistent and reliable supply of electricity for Dublin.

Powering Up Dublin requires the installation of five routes for high voltage underground cables to replace older cables, as well as substation upgrades and the construction of a new electricity transmission substation in Central Dublin.

## What is happening now?

As part of the Powering Up Dublin programme, a new 220kV/110kV Gas Insulated Substation (GIS) has been identified as the best solution to address the city's growing electricity demand. This GIS will be looped into one of the existing 220 kV circuits in the North Inner City.

The new station will support:

- Residential housing and commercial developments in the City Centre area
- Demand growth due to electrification of heat and transport
- Improve security of supply in the City Centre
- Bringing renewable energy on to the grid

EirGrid has surveyed the East Wall area to identify suitable sites for this new transmission station to reinforce the electricity grid in Dublin City.

Stakeholder and landowner engagement in the area over the last number of months has resulted in the identification of a number of sites in the area, with one site shown to be most feasible. Detailed information on how the location was selected can be found in the Step 3 report which is available to view and download on our website [eirgrid.ie/dublin](http://eirgrid.ie/dublin)

The site identified as most suitable during the Step 3 process is shown overleaf.

The location is a vacant ESB-owned carpark and brown field site on East Wall Road. The location is approximately 50m from the Finglas – Shellybanks 220kV circuit which runs along the northern side of the M50. It is proposed to construct a 220kV/110kV Gas Insulated Substation (GIS) at this site.

We are responsible for the safe, secure, and reliable supply of Ireland's electricity.

## Project Benefits



### Sustainability

Powering Up Dublin will enable the city's grid to use and transmit the electricity generated from offshore wind energy to the heart of the city. This is a vital step to help Ireland transition to a low-carbon electricity future.



### 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 close to the city.



### Economic

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



### Meet future needs

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



### Community

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



### Local

Helping to meet increasing local transport and housing electrification requirements.





**Legend**

- Motorway
- Substation

# Frequently Asked Questions

The following section will answer frequently asked questions related to the Central Dublin Substation Development project. If you have any further queries, information on how to get in touch can be found at the end of this document.

## Why does Dublin City Centre need a new transmission station?

Dublin City Centre currently gets its power from existing transmission substations in Finglas, Ringsend and Inchicore. It is projected that these existing transmission stations will reach their capacity limits in the coming years. Because of this, there is a need for a centrally located substation to support Dublin's growing electricity needs.

## How was this location chosen?

The suitability of multiple potential sites were explored during Step 3 of EirGrid's framework for grid development. Potential locations for the station were assessed under the following considerations:

- Technical feasibility;
- Environmental impact;
- Socio-economic impact; and
- Deliverability.

Using these criteria, the location outlined in this document has been deemed as the most suitable.

## Is the location of the station final?

EirGrid will continue to assess the technical feasibility of the site identified on East Wall Road. While the location has been determined, any feedback received will be collected and taken into consideration as the design is finalised.

## What is a Gas Insulated Substation (GIS)

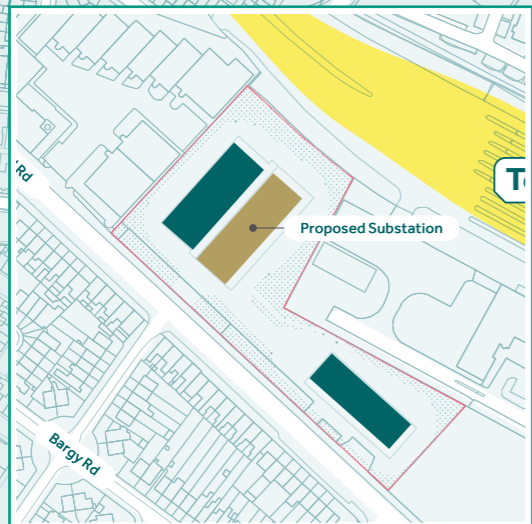
A GIS is an indoor electricity substation that supplies the local electricity distribution network, bringing power to homes and businesses. GIS are smaller than Air Insulated Substations (AIS) and therefore more suitable for this constrained site. The gas used is called SF6 gas. It is odourless, highly stable, non-toxic and non-flammable. Additionally, the equipment is fully enclosed within a structure and more in keeping with the existing environment.

## What will the station do?

The new transmission substation or Gas Insulated Substation (GIS) will connect the high-voltage transmission system, bringing electricity into the country, and the lower-voltage distribution system which brings electricity directly to homes and businesses.

## When will the station be built?

It is envisioned that construction will begin in early 2028. EirGrid will continue to keep communities and businesses updated on the progress of the project as it develops.





### Will there be traffic disruptions associated with this work?

Yes, but this will be managed. A number of circuit cables will be required to connect the station to the Finglas – Shellybanks 220kV circuit which runs along the northern side of the M50. Before any works begin, traffic management planning will be agreed with Dublin City Council. Local businesses and the community will be kept informed in advance of any work taking place.

### What are the next steps?

EirGrid will continue to assess the technical feasibility of the site identified on East Wall Road and work with the local community and stakeholders. Constraints reporting and mapping and an Environmental Impact Assessment will be undertaken as the design is finalised.

### How does EirGrid work with local communities?

Much work has been ongoing across the wider Powering Up Dublin programme in advance of this phase. EirGrid is committed to putting communities at the centre of its work. In line with this commitment, we will keep you informed every step of the way as we progress our plans and listen to your feedback as we strengthen the grid in your area.

Our dedicated Community Liaison Officer (CLO) working on the Powering Up Dublin Programme is Liz Dillon. Contact details for Liz can be found at the end of this document.

### Does EirGrid coordinate with other utilities and infrastructure providers?

EirGrid established the Dublin Infrastructure Forum in May 2022 in order to minimise disruption to businesses and communities across the city. The Forum brings state agencies and statutory bodies together to identify opportunities for collaboration, and to share ideas and information on planned infrastructure works across the city.

### Is there a Community Benefit Fund associated with this project?

Yes, we will work to give back to communities as part of our Community Benefit Policy. Our support will focus on the themes of community, sustainability, and biodiversity. We will be led by local stakeholders on the best ways to use the community benefit funds set aside for these projects, so that those organisations, clubs, and groups who have the most positive impact in these communities are supported.

As per EirGrid’s policy, funding will be made available to local community, sustainability and biodiversity groups and projects upon construction of the station.

Visit [eirgrid.ie/community](http://eirgrid.ie/community) to hear more about EirGrid’s Community Benefit Fund, or get in touch by emailing [dublin@eirgrid.ie](mailto:dublin@eirgrid.ie)

### How can I find more information on this project?

All information related to the Central Dublin Substation project can be found on our website [eirgrid.ie/dublin](http://eirgrid.ie/dublin)

EirGrid will also hold two information events in the East Wall area over the coming weeks, the details of which can be found overleaf.

## Information Events

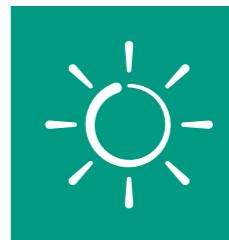
EirGrid will be holding two pop-up information events to provide members of the public with information on the Central Dublin Substation Development Project. These events offer an opportunity for interested people and groups to:

- Speak with a member of the technical team and our Community Liaison Officer
- View details of the project
- Ask questions or discuss issues which may arise from the project

These events are drop-in and you do not need to make an appointment. Our team is also happy to meet with individuals, community and business groups on a one-to-one basis if requested.

The details of the events are as follows:

-  **24 June**, 11.00 – 3.00pm  
Dublin Port Substation  
Alexandra Road, Dublin 1
-  **26 June**, 4.00pm – 8.00pm  
St Joseph’s Co-Educational School  
East Wall Road, Dublin 3
-  **4 July**, 11.00 – 3.00pm  
Sean O’Casey Community Centre  
St. Mary’s Road, East Wall,  
Dublin 3



# Get in touch

If you would like to receive further information, or you require any documentation in another format, please get in touch by emailing [dublin@eirgrid.ie](mailto:dublin@eirgrid.ie) or by writing to us to the following address:

Powering Up Dublin  
EirGrid PLC  
FREEPOST FDN 5312  
160 Shelbourne Road  
Ballsbridge  
Dublin  
D04 FW28

You can also contact our Community Liaison Officer:



**Liz Dillon**  
Community Liaison Officer  
[Liz.Dillon@eirgrid.com](mailto:Liz.Dillon@eirgrid.com)  
087 188 7982



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