Your Questions Answered

Central Dublin Substation Project

In this leaflet we will answer the most frequently asked questions concerning the Central Dublin Substation project.

For more detailed information on the project, please visit our website: **www.eirgrid.ie/dublin**

Otherwise, please contact our dedicated Community Liaison Officer.

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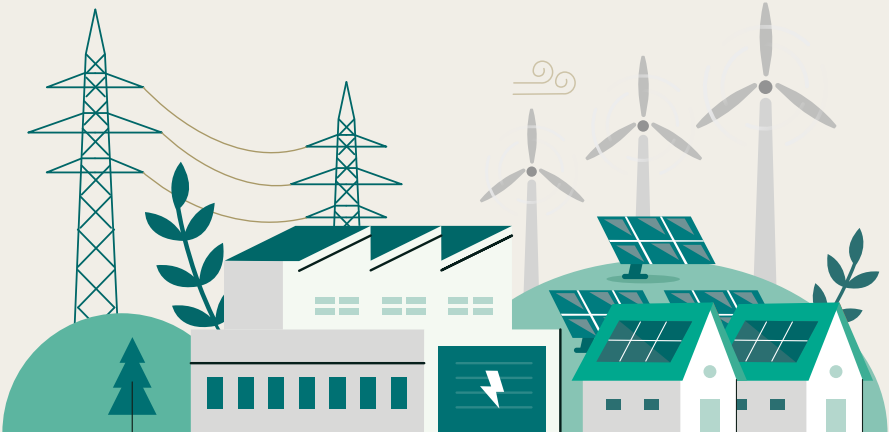

Example of a typical GIS Substation

General

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.

EirGrid manages Ireland's high-voltage electricity grid. The grid brings high-voltage power around the country from where it is generated to where it is needed.

What is a substation?

A substation is a piece of equipment that converts electricity into different voltages for transmission and distribution. At substations, the electricity is brought down or 'transformed' from this higher voltage to a lower voltage. The lower voltage can be used by properties including homes, businesses, schools and hospitals.

Why does this area need a new substation?

Dublin's city's electricity infrastructure is ageing and reaching its end of life. We need to upgrade it so that Dublin can continue to develop and thrive, while increasingly using power from renewable sources.

When the Central Dublin Substation is built, it will allow us to ensure a reliable and secure supply of electricity for people in central Dublin for years to come. There are already almost 200 substations serving Ireland's electricity grid, located in cities and across the country.

Why did we choose this site?

Wherever electricity is used in large volumes, there needs to be a substation nearby to help manage this. This substation must be placed in the area where the electricity is needed. In this case, it must be located in Dublin's northeast inner city.

As part of our efforts to identify a suitable location, EirGrid examined a number of potential sites in the East Wall area. All of the sites but the one selected on East Wall Road turned out to be either unsuitable or were already earmarked for other developments by the relevant landowner.

The site, known locally as the Pole Field site , is currently used by ESB Networks as a car park. This site is big enough for a substation without having to remove any green space. It is close to existing underground high -voltage cables that can connect the substation to the electricity grid.

What will the substation look like?

The visual appearance of the proposed substation will be thoughtfully planned during the design phase of the project to make sure it fits in with the overall style of the street. EirGrid will ensure that the architectural design of the substation blends well with the area's existing character, especially in terms of the building's facade and height.

Construction

What will the environmental impact be?

We will carefully consider any potential environmental impact of this substation and we will do everything possible to reduce these impacts. We do this with all of our projects.

Environmental surveys and assessments will be done to help inform the design of the substation site, once we come to the design phase. An Environmental Impact Assessment and an Appropriate Assessment will also be completed as part of the planning application.

How much dust will there be during construction?

As with all construction, there will be a level of dust while the substation is being built. EirGrid, along with ESB will control and monitor dust levels, and do all we can to limit the impact on residents and businesses.

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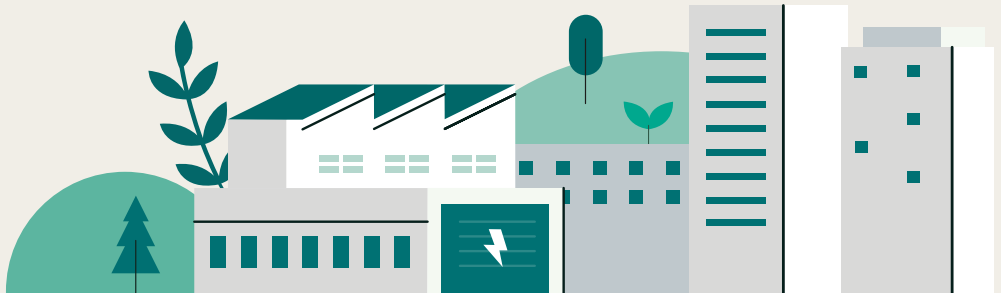
What impact will there be on local traffic?

Before construction, the building contractor will prepare a detailed Construction Traffic Management Plan. The plan will account for any extra traffic related to the construction of the substation and associated cables. It will aim to keep the potential impact of the construction phase to a minimum. It will include ways to monitor and control construction traffic.

There are a small number of cars currently using the car park. We will arrange for them to park elsewhere on ESB property.



Health and Safety

What is 'Electromagnetic Frequency' (EMF)?

Anywhere electricity is present it produces 'Electromagnetic Frequency' (EMF). For example, common household appliances like mobile phones, hairdryers, and microwaves produce magnetic field or frequency.

We strictly follow all best practice international guidelines to make sure the infrastructure we deliver is safe for people who may be living or passing nearby.

The actual substation and its cables, will be positioned so that those passing by the site, close to the substation, will be exposed to no more than the magnetic field that people commonly experience in any home or business.

Will the substation be noisy when built?

No, there will be low noise impact from the substation. We will do everything we can to make sure the noise from this substation is kept to an acceptable level for local residents.

When the substation is complete, the noise it produces will be monitored and action will be taken if there is abnormal, disruptive noise emitted.

Project Timing

Will the substation require planning permission?

Yes, we aim to submit planning for the Dublin Central Substation in 2025.

When will work start on the substation?

We expect construction to begin in early 2028.

How long will the substation take to build?

The expected timeline for constructing a substation like this is 2-3 years. We will continue to keep communities and businesses updated on the progress of the project as it develops.