



Capital Project 1029

Project Information Brochure
January 2019



The current. The future.



Who is EirGrid?

EirGrid is responsible for a safe, secure and reliable supply of electricity – now and in the future. We develop, manage and operate the electricity transmission grid. This brings power from where it is generated to where it is needed throughout Ireland. We use the grid to supply power to industry and businesses that use large amounts of electricity. The grid also powers the distribution network. This supplies the electricity you use every day in your homes, businesses, schools, hospitals and farms.

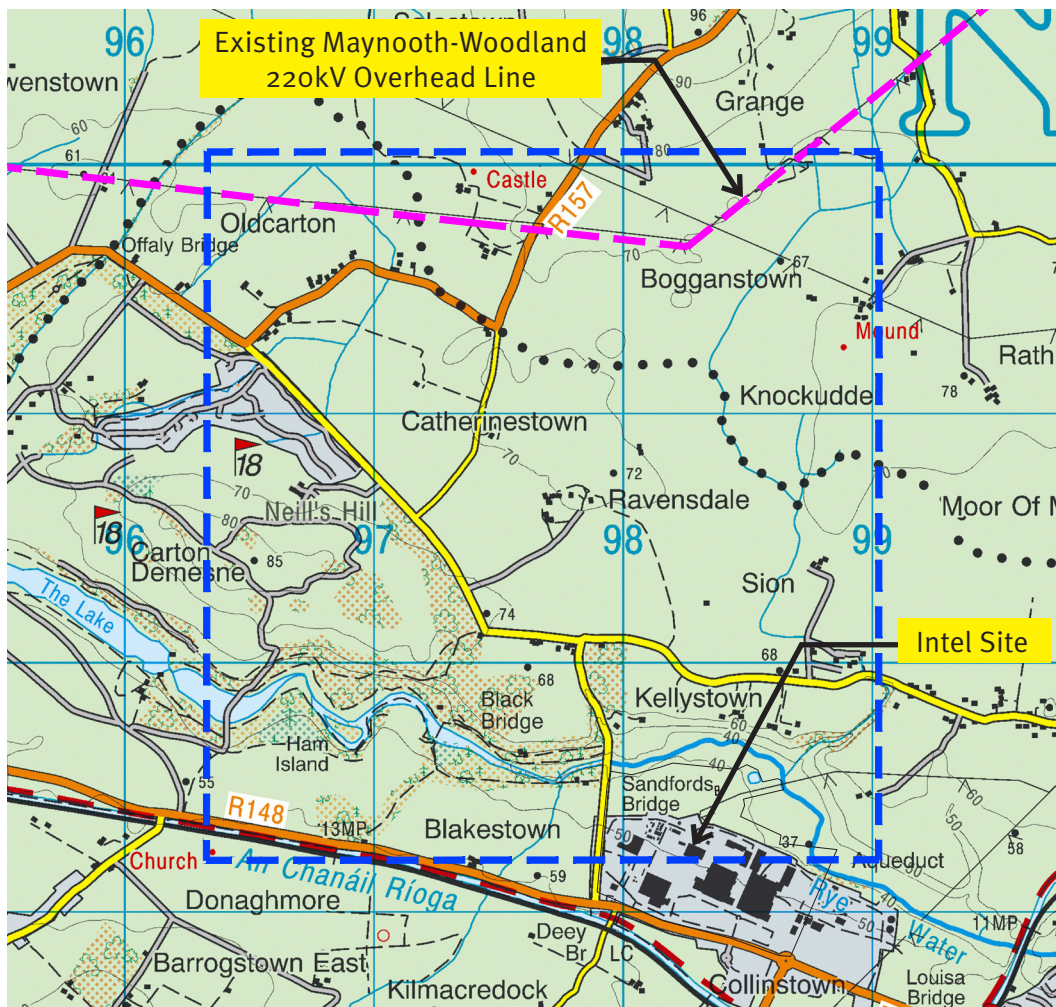
What is Capital Project 1029?

EirGrid is responsible for delivering electrical power to major demand customers in Ireland, including Intel. Capital Project 1029 is an electricity project that will ensure there is a secure and reliable supply of power to the Intel manufacturing facility in Leixlip, Kildare. The development includes a new 220 kV substation, adjacent to the Intel site, and two new electricity circuits connecting into the Maynooth-Woodland 220 kV power line which runs to the north of the facility. In addition, three new circuits will be required to connect the new 220 kV substation to new transformers which will be located within the Intel facility. These transformers will reduce the high-voltage electricity from the Maynooth-Woodland line to a lower-voltage that can be used in the Intel facility.

Electricity is currently and will continue to be provided to Intel by 110 kV circuits.

Further connections between the new substation and Intel's facility, and an upgrade of the Maynooth-Woodland 220 kV line, will be required at a later point.

Project Study Area



What's Happening Now?

We are currently evaluating possible technology options for the project. The technologies under evaluation are:

- New substation with either Air Insulated Switchgear (AIS) technology or Gas Insulated Switchgear (GIS) technology. An AIS substation is located outdoors; a GIS sub station is smaller and is located in a building
- Underground Cables and Overhead Lines
- Supporting technologies that will help to maintain system security

Possible Project Solutions

We have also evaluated the study area for the best technology options. This has enabled us to create a list of possible project solutions.

A GIS or AIS substation:

- Adjacent to the existing Maynooth-Woodland line in the townland of Bogganstown
- South of the Maynooth-Woodland line in the townland of Knockudder
- Immediately north of the Intel facility and the Rye Water in the townland of Kellystown

To connect the substation to the Maynooth-Woodland line, there are the following options:

- An underground cable that crosses the R157 and L1015 roads
- An underground cable that crosses lands to the east of Ravensdale Demesne
- An overhead line crossing lands to the east of Ravensdale Demesne

Both underground cable and overhead line technologies are being considered in order to cross the Rye Water. This portion of the development is common to all options.

It is proposed to fully examine all these options following consultation and engagement with residents, communities and stakeholders in the area.

EirGrid uses a six-step process to develop projects. Capital Project 1029 is at **Step 4** of the process – *where exactly should we build?*

What's Happening?

We are developing possible routes for overhead lines or underground cables and substation site options.

How long will this take?

We hope to have decided on the technology, route and substation site options by late March 2019.

What can you influence?

You can influence the type and location of the new substation; whether the new circuit is an overhead line or underground cable; and its route.

How can you get involved?

You can give feedback to the team at our public information day in Leixlip on 23 January. You can also contact us directly until mid-February 2019. Please see the back of this brochure for our contact details.

What have we decided at the end of this step?

At the end of **Step 4**, we will have identified the specific substation site and route of the planned development. Following this, we will move to **Step 5, the planning process**, where a planning application will be submitted to the appropriate planning authority – either An Bord Pleanála or the local planning body.

Step 1

How do we identify the future needs of the electricity grid?

Step 2

What technologies can meet these needs?

Step 3

What's the best option and what area may be affected?

Step 4

Where exactly should we build?

Step 5

The planning process

Step 6

Construction, energisation and benefit sharing

Feedback

We welcome your feedback. If you have comments on any aspect of development, please contact:

Liam Wynne, Agricultural Liaison Officer

Phone: 087 226 1804

Or

Eoghan O'Sullivan, Community Liaison Officer

Phone: 087 247 7732

Or alternatively in writing to:

Capital Project 1029

EirGrid plc

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We will also provide detailed project information and updates at: www.eirgrid.com



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