

GRID25

Grid25 is EirGrid's programme to deliver the development of Ireland's transmission system. The programme aims to support economic growth and job creation, facilitate a reliable supply of electricity for all consumers, provide the infrastructure to enable Ireland to realise its renewable potential and achieve the challenging target of delivering 40% of electricity generated from renewable sources by 2020.

The Government policy statement on the *Strategic Importance of Transmission and Other Energy Infrastructure 2012* specifically endorses and supports the Grid25 development programme. It reaffirms that Grid25 is Government policy and in the national interest. The latest progress on the delivery of the Grid25 programme is detailed below.

CONNECTION AND ENERGISATION OF NEW CLOGHRAN 110KV STATION, BALLYCOOLIN, CO. DUBLIN.

On 29th March 2013 a new Air Insulated Switchgear (AIS) 110kV station was energised on the transmission system. The station, known as Cloghran 110kV station, is located in an Industrial Development Authority (IDA) strategic site at Ballycoolin, Dublin 15 and was built by EirGrid's demand customer, Hexagon, to provide power for a new 25MVA data centre.

The connection of a new demand customer to the transmission system is a significant event. Successful completion of this project is attributable to the collaboration between Hexagon, the IDA, EirGrid, ESB Networks, ESB International and a number of subcontractors.

EirGrid's Grid25 strategy provides for investment in the high voltage electricity grid which is a key enabler to supporting the foreign direct investment agenda such as data centres of this type. The importance of foreign direct investment to the Irish economy is significant and accounts for €115bn in exports, €7bn in payroll, 250,000 jobs and 65% of Corporation Tax.*

The customer connected into the transmission system via a new 110kV station. Two new 110kV underground cables form a loop between this new station and the existing Kildonan (Finglas) – Macetown 110kV circuit.

*IDA Figures May 2012



New Cloghran 110kV Station

LAOIS – KILKENNY REINFORCEMENT PROJECT – PLANNING APPLICATION LODGED

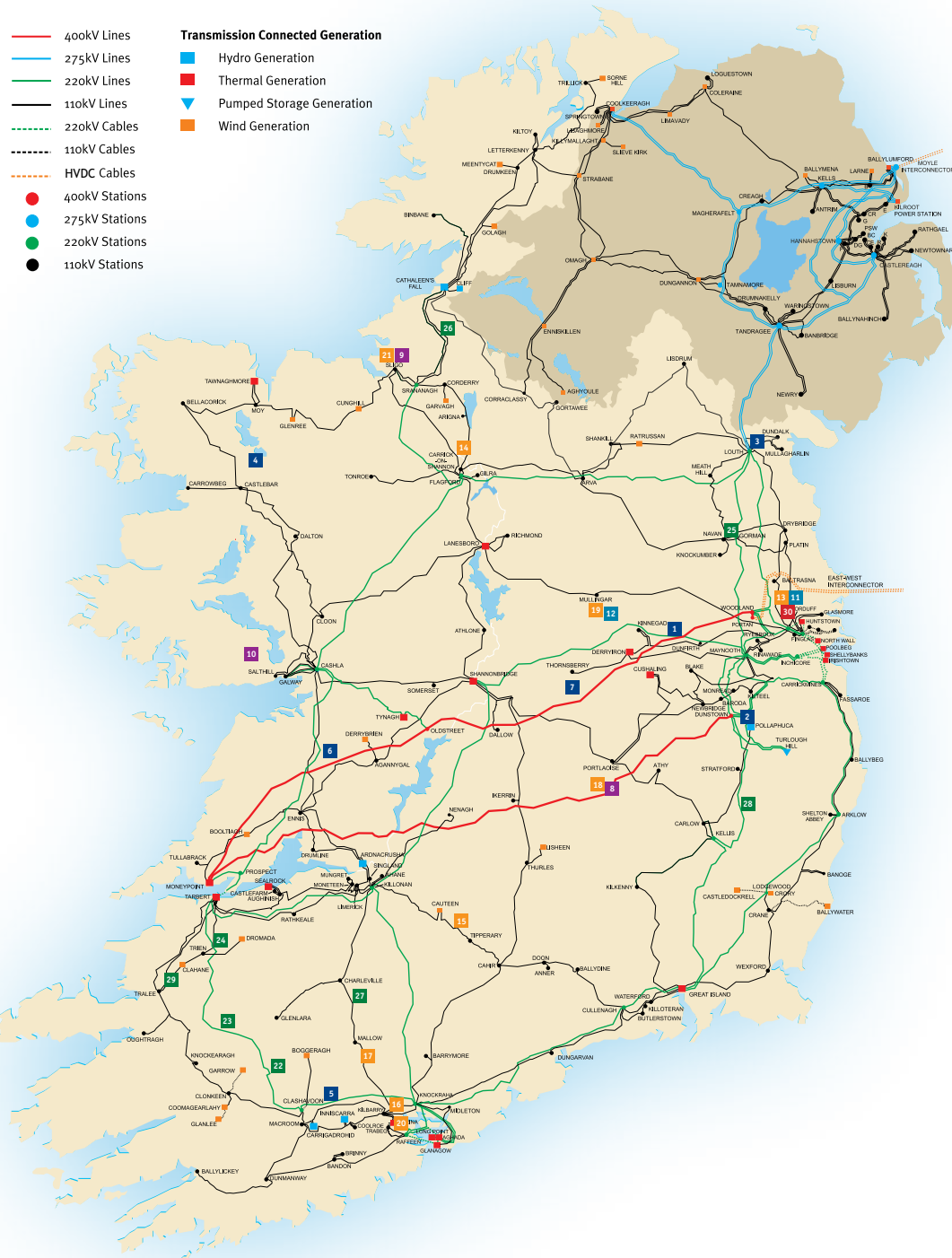
EirGrid has submitted a planning application in relation to the proposed Laois – Kilkenny 400/110kV Reinforcement project to An Bord Pleanála. This proposed €80m project will help reinforce the transmission network in the Laois, Kilkenny, Kildare, Carlow and Wicklow region and comprises a 400kV/110kV substation, approx 1.5km of new 400kV line, a new 110kV line from Coolnabacky in Laois to Ballyragget in Kilkenny, an uprated line from Ballyragget to Kilkenny and associated works.

Notice of the planning application was published in local and national newspapers. The application may be viewed at: www.eirgridlaoiskilkenny.ie.

The seven week period for the filing of submissions and observations to An Bord Pleanála ran from 1 February 2013 until 21 March 2013.

GRID25 PROGRAMME MILESTONES

The Map shows milestones achieved in Q1 2013:



RECENT INVESTMENT DECISIONS

- 1 Dunfirth - Kinnegad - Rinawade 110kV Line Refurbishment
- 2 Dunstown - Turlough Hill 220kV Line Refurbishment
- 3 Louth 275kV Station Refurbishment
- 4 North Connaught 110kV Circuit
- 5 Clashavoon - Macroom No. 2 110kV Circuit
- 6 Moneypoint - Oldstreet 400kV Line Refurbishment
- 7 Oldstreet - Woodland 400kV Line Refurbishment

RECENT PLANNING APPLICATION LODGEMENTS

- 8 Laois - Kilkenny 400/110kV Reinforcement Scheme
- 9 Sligo 110kV Station Busbar Uprate
- 10 West Galway 110kV Station

RECENT PLANNING APPLICATIONS GRANTED

- 11 Dublin North Fringe 220kV Project
- 12 Kinnegad - Mullingar 110kV New Circuit

RECENT CPPS ISSUED

- 13 Dublin North Fringe 220kV Project
- 14 Carrick-On-Shannon 110kV Station Busbar Uprate
- 15 Cauteen - Tipperary 110kV Line Uprate
- 16 Kilbarry - Knockraha No. 1 110kV Line Uprate
- 17 Kilbarry - Mallow 110kV Line Uprate
- 18 Laois - Kilkenny 400/110kV Reinforcement Scheme
- 19 Kinnegad - Mullingar 110kV New Circuit
- 20 Raffeen - Trabeg No. 1 110kV Line Uprate
- 21 Sligo 110kV Station Busbar Uprate

RECENT PROJECT AGREEMENTS SIGNED

- 22 Ballyvouskill 220kV Station - New Station
- 23 East Kerry Nw Cork 220kV Station - New Station
- 24 North Kerry 220kV Station - New Station
- 25 Navan 110kV Station Refurbishment
- 26 Cathaleen's Fall - Srananagh No. 2 110kV Line Uprate
- 27 Charleville - Mallow 110kV Line Uprate
- 28 Dunstown - Kellis 220kV Line Refurbishment
- 29 Reamore 110kV Station

RECENT ENERGISATIONS*

- 30 Cloghran 110kV Station

* Please note that the energisation of a project, or an element of a project, does not imply that all works of a particular project are complete.

EIRGRID CONSULTATION ON GRID WEST PROJECT STAGE 1 REPORT

The Stage 1 Report, a significant milestone on the Grid West project, was published on 5 March 2013, bringing forward for the first time details of potential route corridors that could accommodate this significant infrastructure development in the West of Ireland.

The €240m Grid West project will develop a new high capacity power line linking the Bellacorick area in County Mayo to a strong point on the transmission grid at either Flagford in County Roscommon or Cashla in County Galway. By connecting the electricity generated by the region's huge renewable energy resources, the project will facilitate significant job creation and investment as well as contributing to national economic recovery and growth. Grid West is part of the Grid25 plan to upgrade the national grid between now and 2025 to deliver a sustainable, competitive and secure electricity supply to homes, businesses and industries.

Members of the public and other interested stakeholders were invited to view the report and give feedback through a number of dedicated communications channels including meeting with the project team at one of eight open days held across the region.

Speaking about the level of engagement Alan McHugh, the Grid West project manager said that EirGrid was pleased with the interest shown by members of the public in the development of the project to date.

"We have had very good attendances across the region. More importantly, we have seen a step

change in the level of engagement from the public in relation to the potential corridors we have published. We welcome this early contact with individuals and communities across the region, because we want as many people as possible to be fully aware of the project and to participate in the consultation process.

At this stage no decisions have been made and all information received from people living and working in the study area is very important as it can influence the next step in the project, which is the identification of a preferred corridor for this new development. People can submit this feedback by post, email, calling the hotline or by dropping into the information centre in Castlebar".

Assuming there are no delays to the planning or consultation processes and no significant reductions in the volume of wind development planned in Mayo, the Grid West infrastructure is expected to be delivered by the end of 2019.



Pictured at the recent open day on EirGrid's Grid West project at The Landmark Hotel, Carrick-on-Shannon was Edward Blake from Sligo and Valerie Hedin from EirGrid. For further information see www.eirgridprojects.com/projects/gridwest Photographer: David Knight

PLANNING GRANTED FOR DUBLIN NORTH FRINGE AND MULLINGAR - KINNEGAD PROJECTS

An Bord Pleanála has granted planning permission for the proposed Belcamp 220/110kV substation which forms part of the Dublin North Fringe 220kV project. The new electricity substation is required to reinforce the north city and county region. The substation will be connected by cable to the existing Finglas substation and will also connect to existing and future 110kV stations in the north city and county region. Construction is expected to commence in 2014.

The proposed Kinnegad - Mullingar 110kV project was also granted planning permission. This project consists of approximately 24km of 110kV overhead line and 1km of underground cable, extending from the existing transmission station in Mullingar to the existing transmission station in the townland of Killaskillen, Kinnegad in County Meath. The project will also include extensive works in both Kinnegad and Mullingar electricity stations. Construction is expected to commence in 2014.

WEST GALWAY 110/38KV SUBSTATION – PLANNING APPLICATION LODGED



EirGrid has submitted a planning application to the Strategic Infrastructure Board of An Bord Pleanála for the proposed development of the West Galway 110/38kV project. The project consists of a new 110/38kV Gas Insulated Switchgear (GIS) substation and approximately 4.2km of 110kV underground circuits. The circuits will connect into the Salthill – Screebe 110kV which is currently under construction by ESB Networks.

The project is located approximately 8km west of Moycullen, County Galway. The substation will be located in the townland of Letter in the Connemara Gaelteacht, on Coillte lands. The project will facilitate the connection of the permitted windfarms at Seecon and Ugool via a new 110kV cable from the permitted Ugool 110kV substation to this proposed West Galway 110kV substation.

The project represents an investment of €15m and will facilitate the connection of renewable energy resources in West Galway. A planning decision is expected in summer 2013.



Proposed substation site in Letter, Co. Galway

KEY NEW REPORT PUBLISHED ON PROPOSED EIRGRID NORTH SOUTH INTERCONNECTOR

A key new report on the proposed North South Interconnector was published on 16 April. The proposed North South 400kV Interconnection Development scheme links Woodland, County Meath with Turleenan in County Tyrone and will provide a second high-capacity electricity transmission line between Ireland and Northern Ireland.

This 'Final Re-evaluation Report' was published prior to the commencement of a series of open days which will be held in Meath, Cavan and Monaghan as part of a six- week public consultation process.

A previous application was withdrawn in 2010 due to a technical error in a planning notice. Since then EirGrid has undertaken a comprehensive re-evaluation of the project, which took into account feedback from stakeholders at all stages of the project to date. The newly published report finds that there remains an urgent strategic need for the project and recommends the new interconnector takes the form of a single circuit 400kV alternating current (AC) overhead line.

EirGrid welcomes feedback on the "Final Re-evaluation Report" and will consider this feedback in the preparation of a "Preferred Project Solution Report" which will be published for further consultation in due course.

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