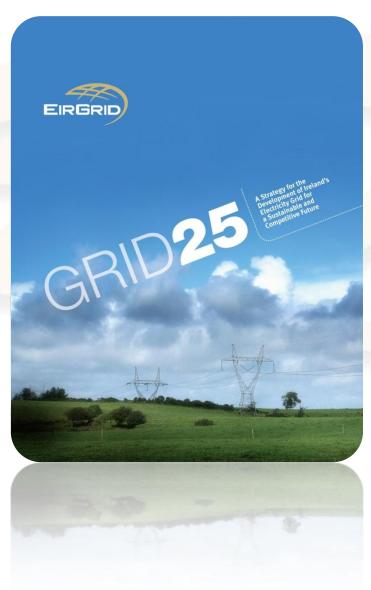
Customer Connections Forum

Grid25 Projects

17th May 2012 Aidan Corcoran



What Grid25 involves

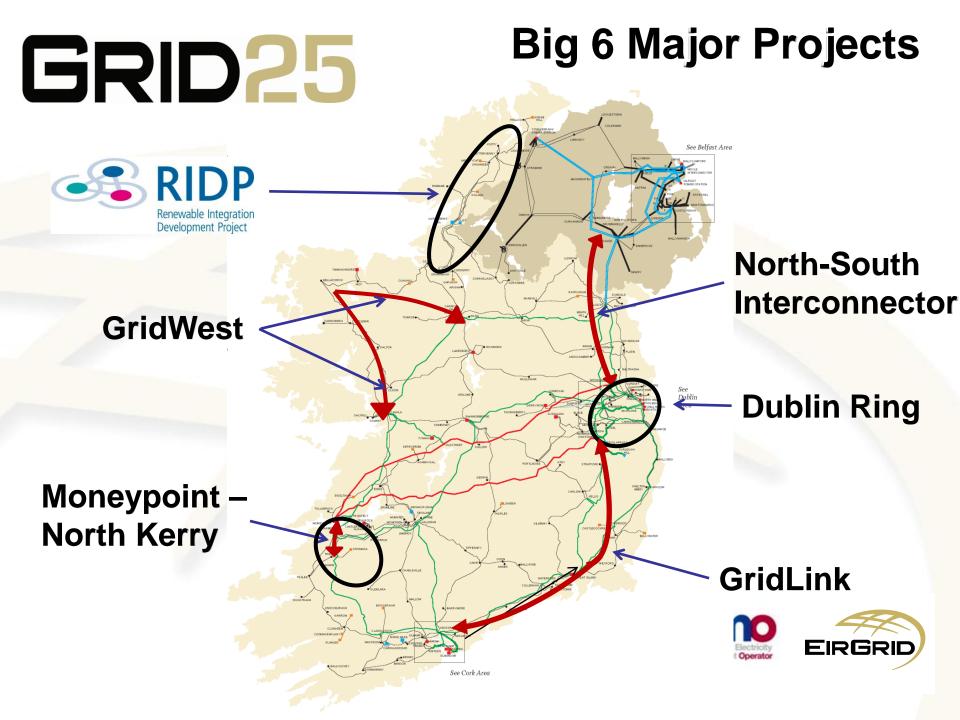


- More than 300 projects
- > 2,000 km of line upratings
- > 800 km of new build
- Significant number of new HV Stations
- > €3.2bn expenditure









Line/Cable Projects GRID25 See Belfast Area Binbane Letterkenny 110kV line Arva Shankill No. 2 110kV line Gorman Meath Hill 110kV line Flagford Srananagh 220kV Gorman Navan No. 3 110kV line line Energised Mullingar Kinnegad 110kV See Dublin line Dalton Galway 110kV loop-in to Cashla Newbridge 110kV line **Energised Energised** Moneypoint Kilpaddoge Cushaling Thornsberry 110kV 220/400kV Cables **Athy 110kV line Energised** Banoge 110kV line Tarbert Tralee No. 2 Clashavoon Dunmanway 110kV 110kV line Energised line EIRGRIC See Cork Area * Interconnector part of South East Region (legacy reasons)

* Laois-Kilkenny part of North Region (legacy reasons)

Major Station Projects GRID25 Finglas 110kV **Station** Ardnacrusha 110kV station refurbishment - Descision to grant planning received **Dublin North Fringe** May 220 kV Station -**Moneypoint Redevelopment** Carrickmines 220kV 400/220/110 - CPP Issued Station redevelopment -PA signed Feb Kilpaddoge 220/110 kV - CPP Issued Finnstown 220/110kV Station - deferred North Kerry 220/110 kV Laois 400/110kV Station **Station** Lodgewood 220kV East Kerry / NW Cork 220/110 **Station - Energised** kV Station Great Island 220/110kV Redevelopment - PA Signed construction started Killonan 220kV station Millstreet 220/110 kV Station refurbishment Glanagow 220kV Station - Energised - lodged Nov 11' no oral hearing

2011/2012 Grid25 Programme Progress Update

2011 Actual

- New Line 80km completed
- Line Uprates 300km completed
- Cork Harbour area Projects Completed
- Lodgewood 220kV station

2012 Forecast

- New Line -160km due for completion
- Line Uprates 300km
- Highlights to include completion of
 - Flagford Srannanagh 220kV line,
 - Dalton- Galway 110kV line Loop into Cashla 220kV Station
 - Gorman-Navan 3 110kV line
 - Gorman-Meath Hill 110kV line
 - Banoge 110kV Station



Grid25 Recent Highlights & Milestones

Completion of

- Banoge (Gorey) 110kV station, April 2012
- Dalton-Galway 110kV loop-in to Cashla, May 2012
- Gorman-Navan 3 110kV line, February 2012

South-West projects

- Moneypoint redevelopment (granted)
- Tarbert redevelopment (granted)
- Mill Street 220kV station (decision due May 2012)
- North Kerry 220kV station (application May 2012)
- East Kerry/NW Cork 220kV station (application May/June 2012)
- Shannon cable crossing (x2) cable enquiry issued
- Clashavoun-Dunmanway 110kV line planning lodgment (submitted April 2012)
- Decision to Grant received for Ardnacrusha 110kV GIS







Project Development & Consultation Road Map



Information Gathering

Identify Project Study Area

Identify environmental & other constraints

Identify feasible options (corridor/sites)

Publication of Stage 1 Report



STAGE 2

Evaluate Options

Construction of all feedback from **Stage 1**

Identification of emerging preferred option (route corridor/site)

Identification of indicative line within corridor or site boundary

Identify & meet landowners of indicative line/site; for initial survey

Publication of Stage 2 Report

You are Here



Confirm Design

Construction of all feedback from **Stage 2**

Conduct environmental studies and surveys

Confirmation of design of line/site proposal

Ongoing engagement with landowners on preferred line route or site



STAGE 4

Prepare Planning Application

Complete reports and prepare planning application

Preparation of EIS/Environmental Impact Stement (as required)

Submit application to Planning Authority/ An Bord Pleanála.



Planning Permission/Approval Granted

Preparation of construction plans

Serve Wayleave notice to landowners & agree access for construction

Commence construction



Public

Public and stakeholder consultation on study area and constraints

Public and stakeholder consultation on finding of Stage 1 Report

Pre-application consultation with ABP

Public

Public and stakeholder consultation on findings of Stage 2 Report

Pre-application consultation with ABP

Public

Ongoing public information

Pre-application consultation with ABP

Public

Ongoing public information

Conclusion of Pre-application consultation with ABP

Public can make submissions to Planning Authority/ An Bord Pleanála once application submitted

Public

Ongoing public information

Evaluation of Public Consultation process

You are Here

Thank you

Project information:

www.eirgridprojects.com



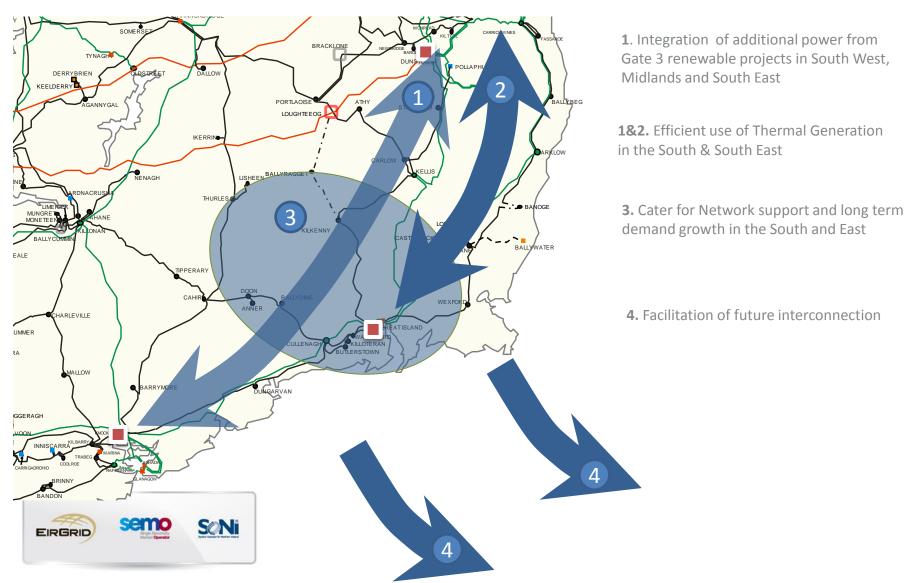
The Grid Link Project





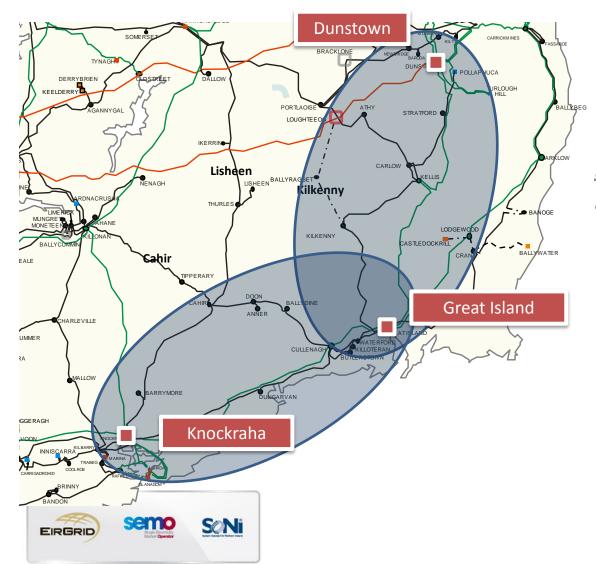
Why is the Project needed





What is the Grid link Project





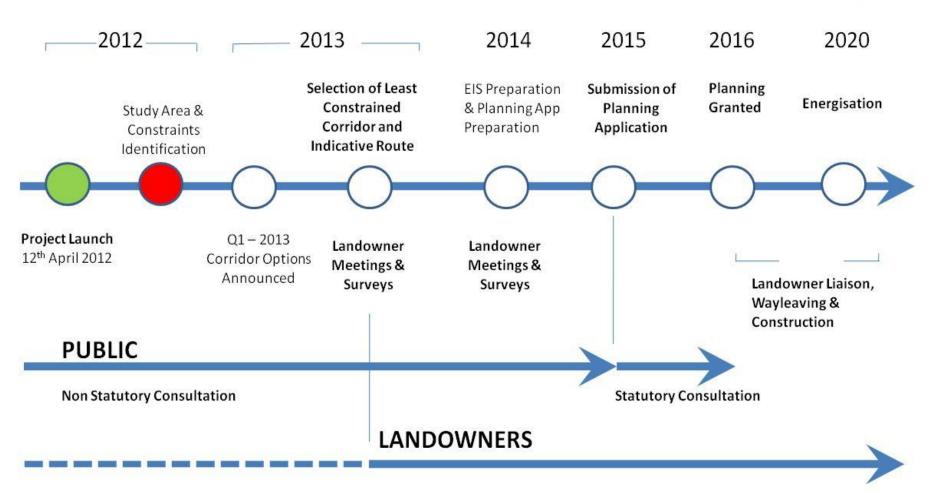
400 kV Circuit Linking Leinster & Munster

Investment

Estimated €500m

Grid Link Project Programme











EirGrid Centre of Excellence for Project Management

Controls & Policy

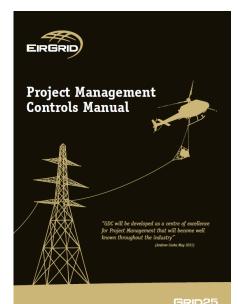
Best practice project management to ensure delivery

- On Budget
- To Schedule

Stakeholder Management

- 11 Counties
- 15 Local Authorities
- 450 Elected Representatives
- Approx 1.7million citizens







EIRGRID

Grid Link Project Team







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Corrib Gas Pipeline (post Rossport 5)



ISLES Project (Irish-Scottish Links On Energy Study)



Gas Pipeline to the West





Mulroy Bay Bridge



Luas Lines



M6, M11 Motorways



Adamstown Strategic Development Zone



Poolbeg Waste to Energy



Dublin Water SupplyProject



Samuel Beckett Bridge



Grid Link Project Study Area



- •Accommodate the Strategic points of connection to existing system
- Jurisdictional & Physical Boundaries
 - M50
 - •N7/M7/M8
 - Coastline





Determining the most appropriate route

Natural Environment:

e.g. Landscape & ecology including features, views, topography, water bodies designated sites and species

Cultural Environment:

Archaeology, architecture and cultural heritage, e.g. protected monuments, structures

Built Environment:

Land use, settlements & infrastructure including roads railways and utilities





Facilitating Public Participation

4 INFORMATION OFFICES

Midleton Carrick-on-suir New Ross Carlow

7 OPEN DAYS

Midleton
Waterford
Naas
Clonmel
Kilkenny
Newtownmountkennedy
Wexford

CORRESPONDANCE

Website: www.eirgridprojects.com/project/gridlink

Email: gridlink@eirgrid.com Phone line: 189042211

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Ciarán French, an engineer with EirGrid, speaks with Eddie and Margaret Mackessy of Knockraha at the public consultation day at the Midleton Park Hotel yesterday.

EirGrid hosts Midleton open day to inform public of future projects

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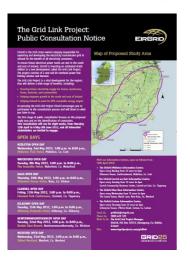
Dave Martin of EirGrid confirmed to the Evening 5cho that the €500 million sarmarked for the project was firmly in place and that

there was no question that funding would be an issue. Yesterday's open day in the Midleton Park Hotel was the beginning of the information gathering process, which will identify what archaeological, cultural and social obstacles lie in place

for the project.

Harnessing renewable energy means Ireland will be able to produce huge amounts and that it could then be sold to other European states, thereby generating billions for the







Project Benefits



















The Grid West Project

Electricity Transmission Scheme in the West

- Delivering 21st century energy infrastructure to the West of Ireland
- Connecting renewable energy
- Facilitating job creation and economic recovery





Transmission Grid

EIRGRID

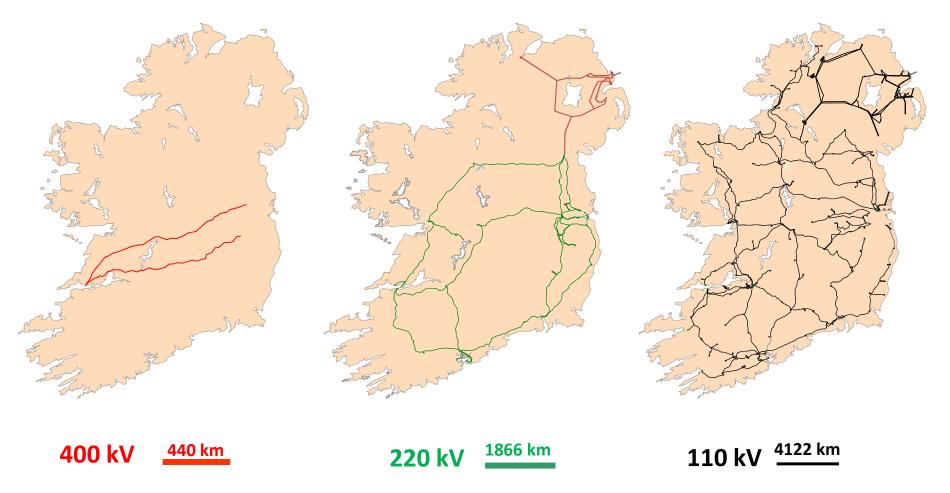
- High capacity, efficient, reliable link between
 - Generation Stations
 - Demand centres
 - Interconnections to other systems
- 3 classes of line





Transmission Grid

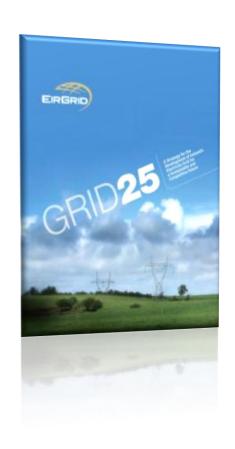


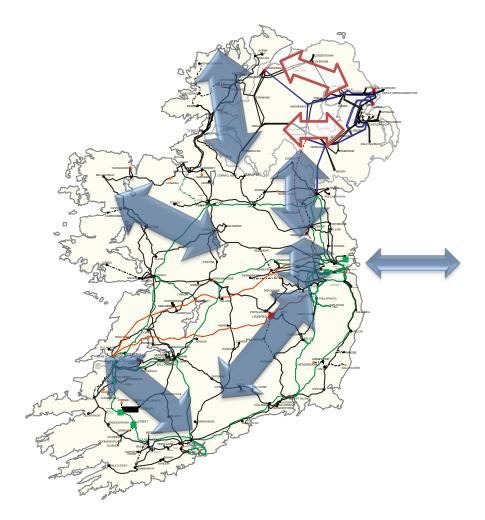




GRID25









European Transmission





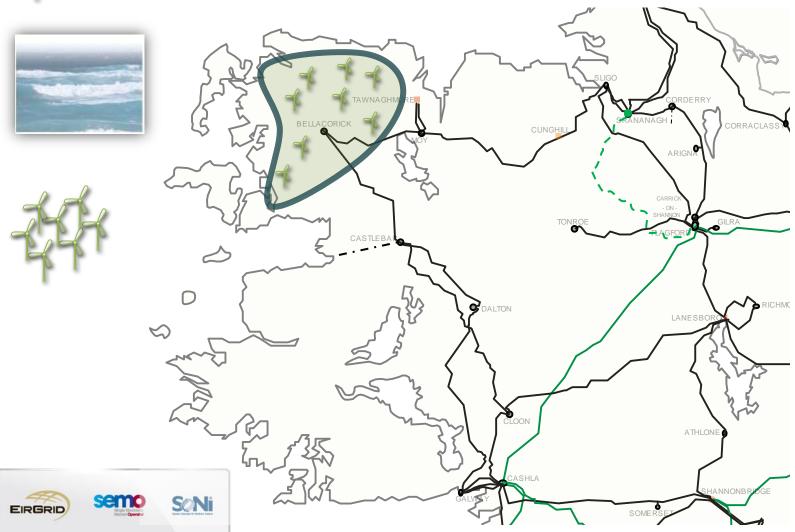


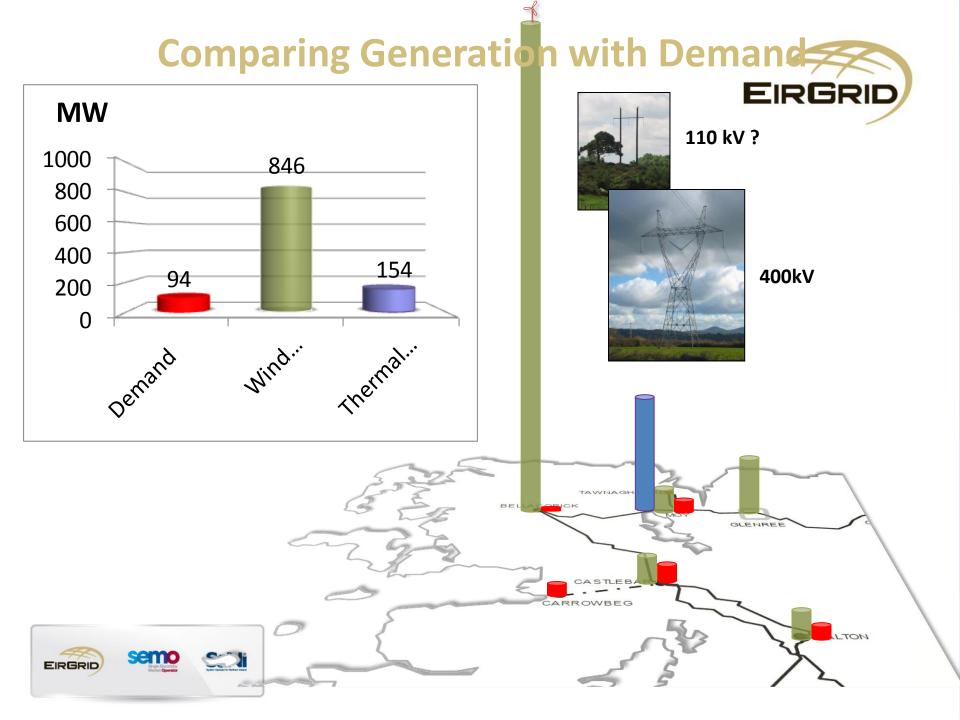




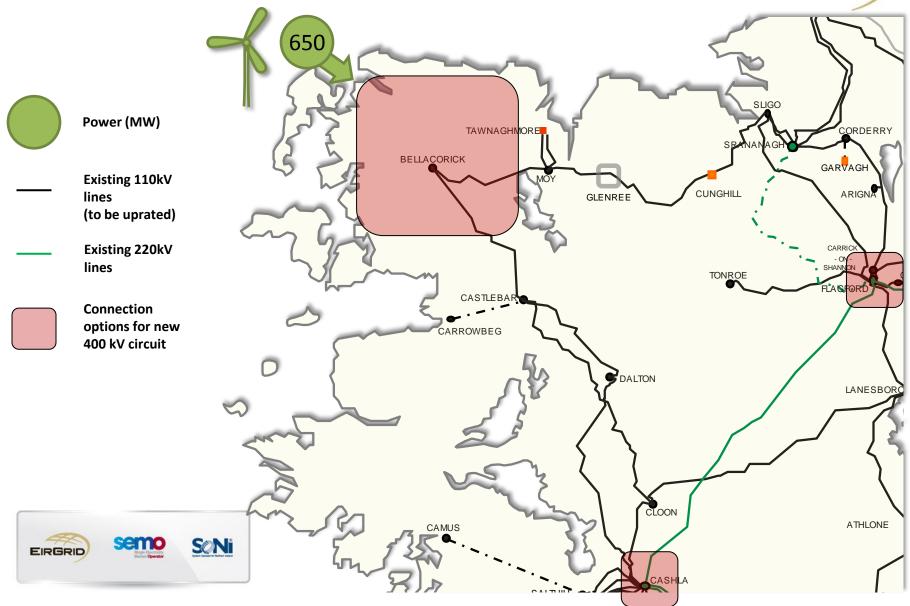
Need for Grid West







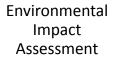
Grid West - Connecting Renewables EIRERID



GRID25 Grid West Teams



Alan McHugh Senior Project Manager



Communications & Consultation



Graham Parker Senior Engineer



Valerie Hedin Senior Communications Specialist





Cian Corbett Project Analyst



Engineering

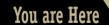








Project Development and Consultation Roadmap





Information Gathering

Stage 1 Report



Public

findings of Stage 1 Report



Evaluate Options

Consideration of all feedback from Stage 1

Identification of EirGrid's emerging preferred option (route corridor/site)

Identification of indicative line within corridor or site

Identify & meet landowners of indicative line/site; initial survey

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Stage 2 Report

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Publication of Stage 2 Report

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Public



Confirm Design



Prepare Planning **Application**

Submit application to



EIRGRID

Wayleaving and Construction

Preparation of construction plans

Serve Wayleave notice to landowners & agree access for construction

Commence





Public

Public

Ongoing public

to An Bord Pleanála once application

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Ongoing public information

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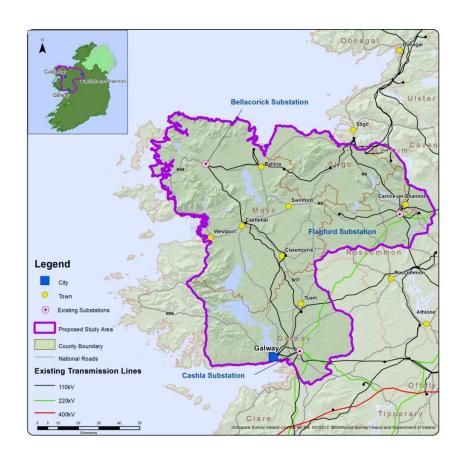
You are Here





Study Area and Consultation





Publish the Study Area in local papers

Dedicated Website: www.eirgridprojects.com/projects/gridwest

Lo-Call Information Line: 1890 94 08 02

Local Offices:
Castlebar & other centres

Open Days across the region

Libraries & County Council Offices



Engineering & Environment



- Ongoing review of studies and need
- Project Planning
 - Technical
 - Environmental
 - Communications
- Identify and obtain environmental constraints datasets
- Liaison and co-ordination of statutory stakeholders
- Stakeholder Consultation
- Planning for Health & Safety
- Prepare for Planning Process



Conclusion



- 21st century energy infrastructure for the west of Ireland
- Connect the region's huge renewable resources
- Job creation, investment, national recovery and growth

Public consultation is OPEN "We want to hear your views"





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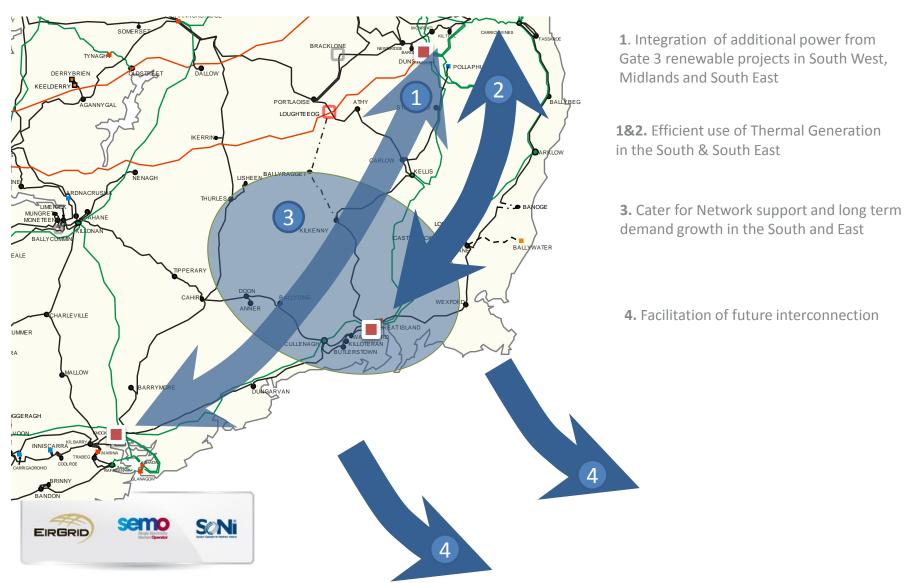
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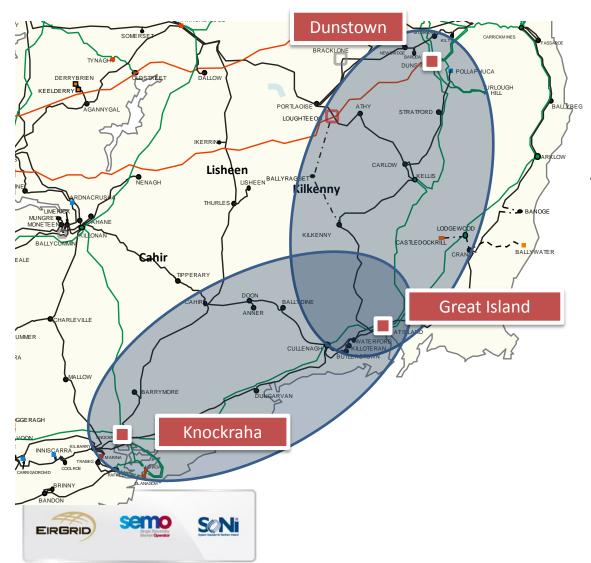
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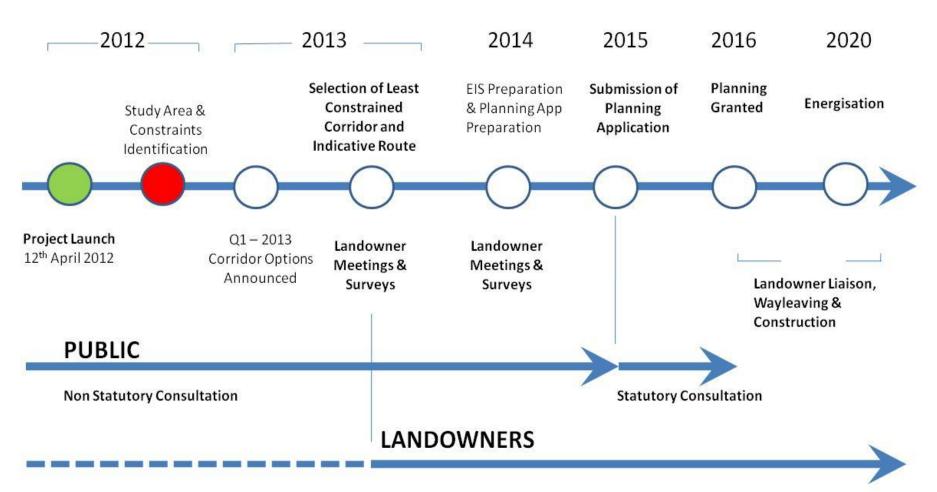
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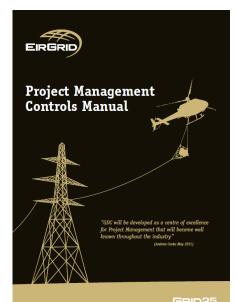
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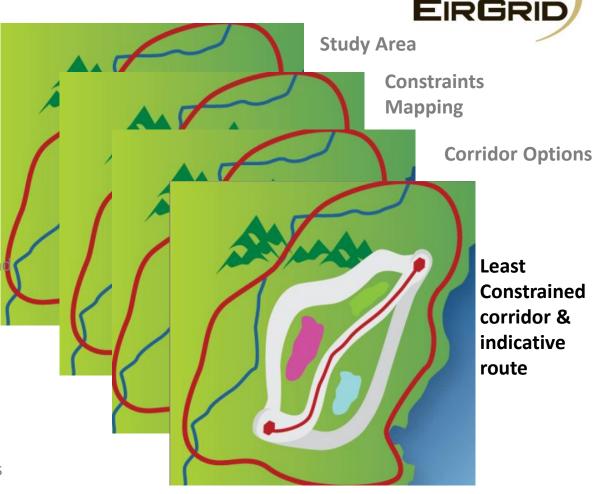
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