



Powering **Up** Dublin

08 November 2022

Economic Development and Enterprise SPC



# Agenda:

08 November | Economic Development and Enterprise SPC

- What is happening in the Dublin area?
- What is Powering Up Dublin?
- What is the timeline?
- What is our approach to consultation and engagement?
- How can you get involved?
- Questions and answers session



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# Who are EirGrid and what do we do?

- State owned operators of Ireland's electricity transmission grid.
- We send power from where it is generated to where it is needed.
- We operate the wholesale electricity market.
- We operate electricity interconnectors with neighbouring countries.
- We do not generate electricity.



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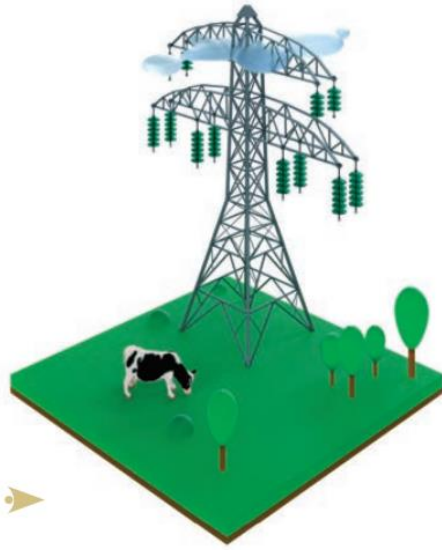




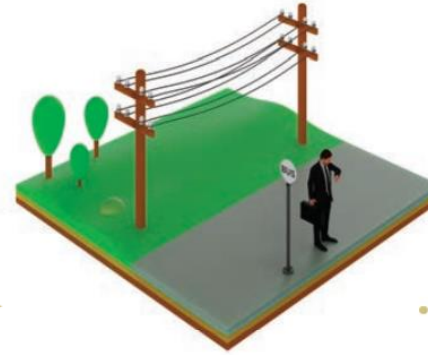
# EirGrid's role in the electricity system



Generation companies create electricity and compete to supply it at the best price.



EirGrid ensures there is enough electricity, then safely delivers this directly to large energy users and all around the grid.



ESB Networks take electricity from the grid and send to everyone who needs it.



Consumers choose an electricity supplier, confident that they'll have a reliable and secure supply – now and in future.

## What is happening in the Dublin area?

- Current electricity infrastructure is becoming less reliable.
- System security is under pressure.
- Demand for electricity is growing.
- Renewable energy projects are coming.

## Where is demand coming from?

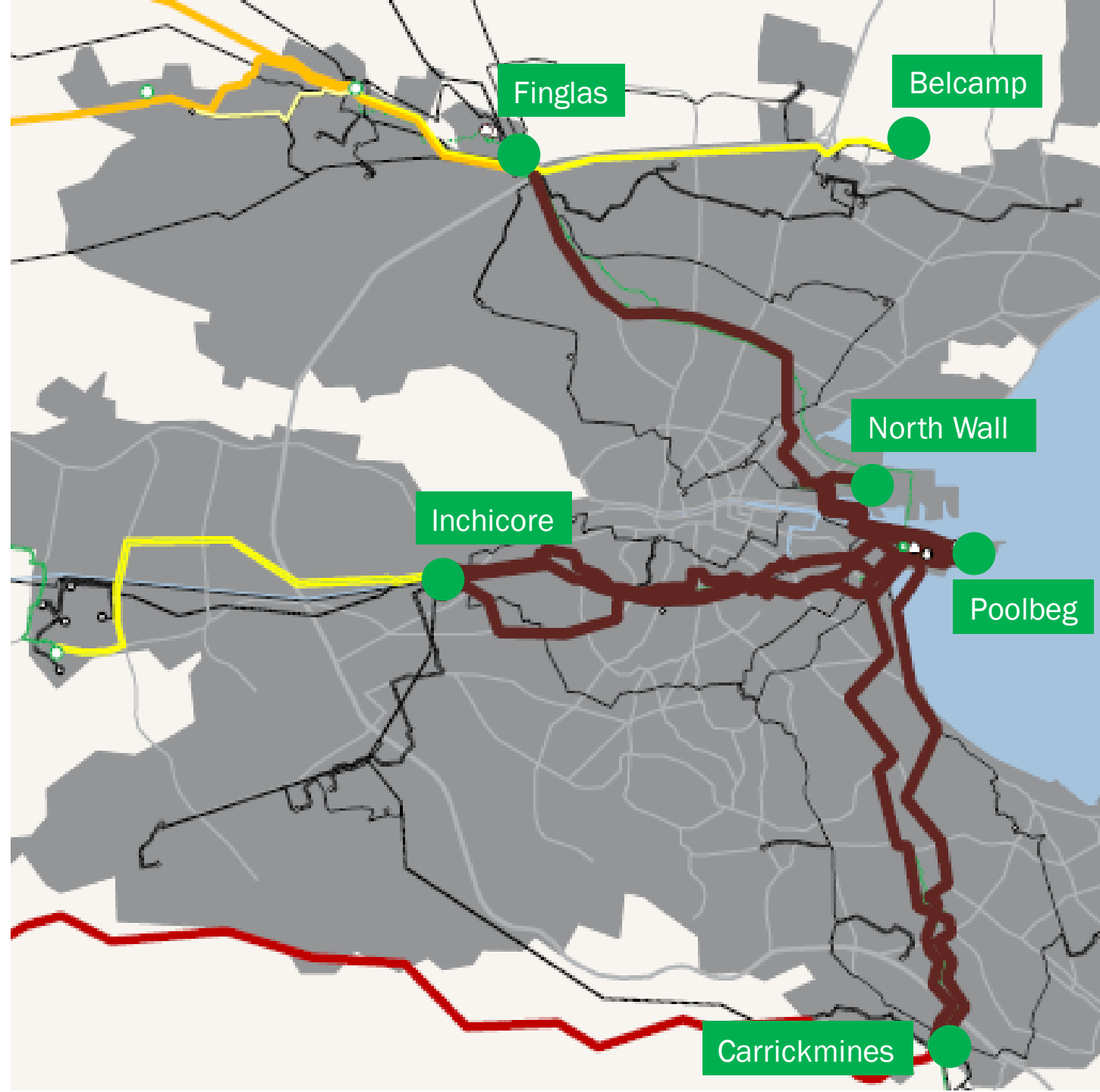
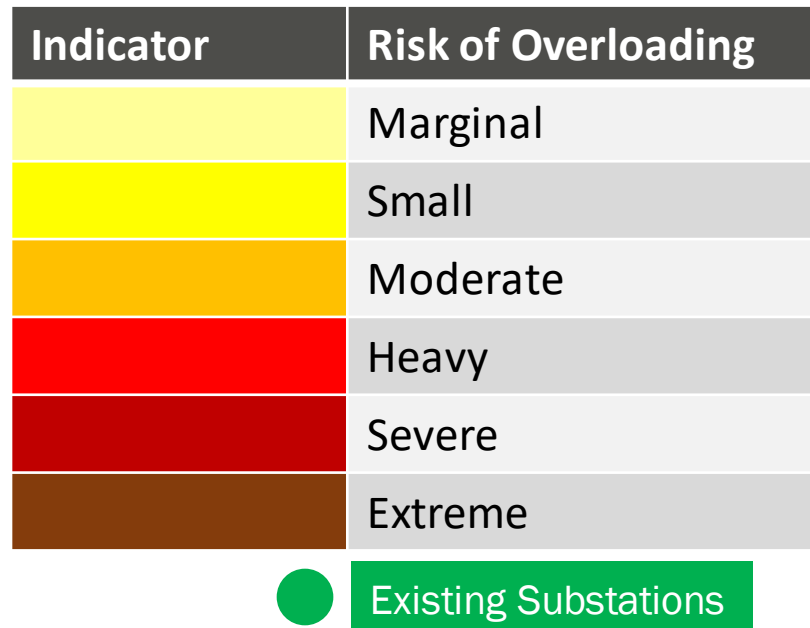
- Housing
- Transport electrification
- Heating
- Large energy users
- Distribution level (consumers)
- Offshore Renewable Energy



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# Congestion on the transmission grid in Dublin





# What is Powering Up Dublin?

- A programme of works to:
  - Install over 50km of cables across the city.
  - Upgrade existing substations.
  - Identify new cables routes and substations that may be required.



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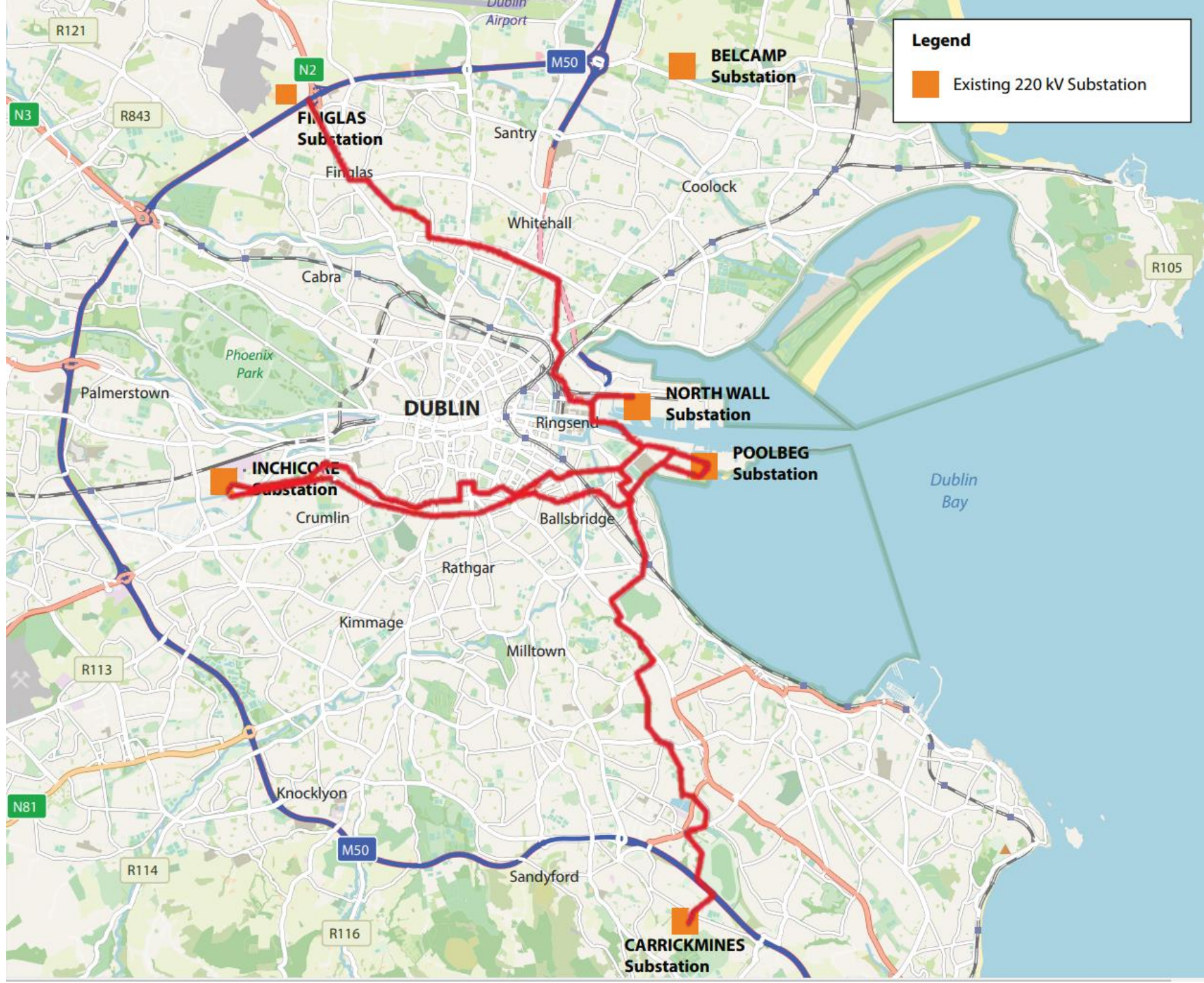
# The study area

We need to upgrade these substations.

We also need to replace cables between these substations and add a new cable connection between Carrickmines and Inchicore.



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The challenge on the ground

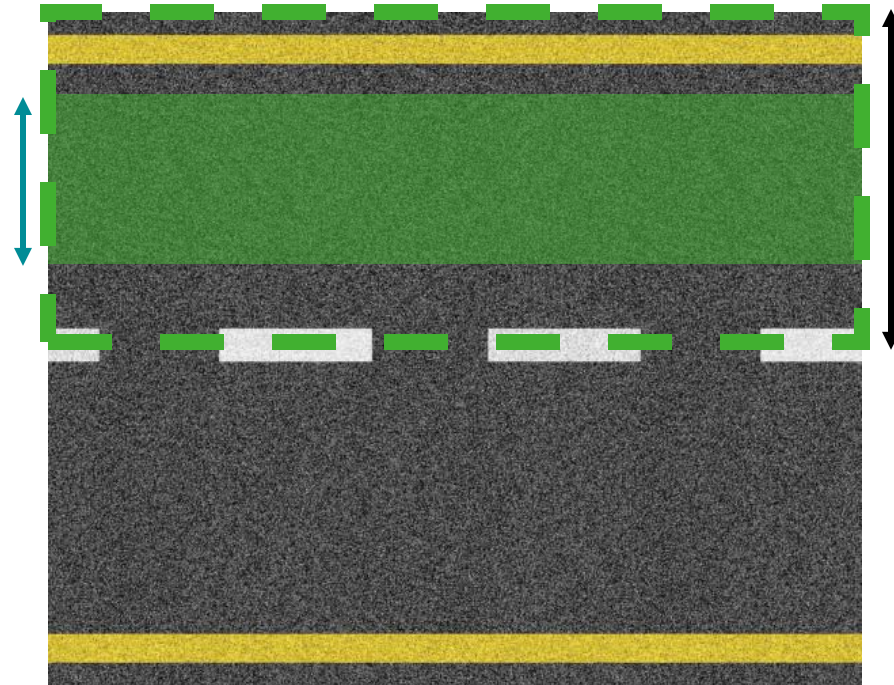


# Indicative cable trench



Typical Trefoil trench

Trench typically  
up to 1.1m wide



Working area  
typically 3m wide



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# What is the timeline?

- 2022 – 2024:
  - Feasibility and concept design
  - Planning
- 2023 – 2030:
  - Advanced Ducting
  - Construction
  - Energisation
  - Benefit sharing



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## What are the benefits?

- Security and reliability of supply.
- Meet future needs of Dublin.
- Facilitate sustainable energy generation.
- Contribute to the economy and future investment.
- Community benefit for impacted areas.



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# Approach to consultation and engagement



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# Consultation and Engagement Forums

Dublin Infrastructure Forum	Community	Business	Industry
<div>Enterprise Development and Tourism</div> <div>Public Transport Infrastructure</div> <div>Utilities</div> <div>Local Authorities</div> <div>Planning and Environment</div>	<div>Public Participation Networks</div> <div>Community Councils</div> <div>Community Forums</div> <div>Landowners</div>	<div>Business Interest Groups</div> <div>Chambers of Commerce</div> <div>Dublin Town / BIDs</div>	<div>Offshore</div> <div>Large Energy Users</div> <div>Customers</div> <div>Generators</div>
Next meeting January 2023	1st Meeting in November 2022.		Ongoing.
Forums will meet quarterly at programme level and will facilitate more local forums at geographical level.			



# Consultation and Engagement

- Regular forum meetings.
- Formal consultation in Q1 2023 on route options.
- Community Liaison Officers undertaking day to day enquiries.
- Coordination with stakeholders to minimise disruption, plan efficiently and avoid duplication.
- Communications and awareness raising activity.



# Stay in touch with us

Email: [Dublin@eirgrid.ie](mailto:Dublin@eirgrid.ie)

Website: [www.eirgrid.ie/Dublin](http://www.eirgrid.ie/Dublin)

Consultation Portal: [consult.eirgrid.ie](http://consult.eirgrid.ie)



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# Thank you and questions.



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