



SONI
presentation to
Causeway Coast & Glens Borough Council
Tuesday 12th April 2016



About SONI

- Ensure the safe, secure, efficient and reliable operation of the high voltage electricity system in NI
- Overseen by the Utility Regulator
- 130 employees
- Undertake STEM initiatives across NI and provide graduate and placement programmes



High Voltage Transmission Network

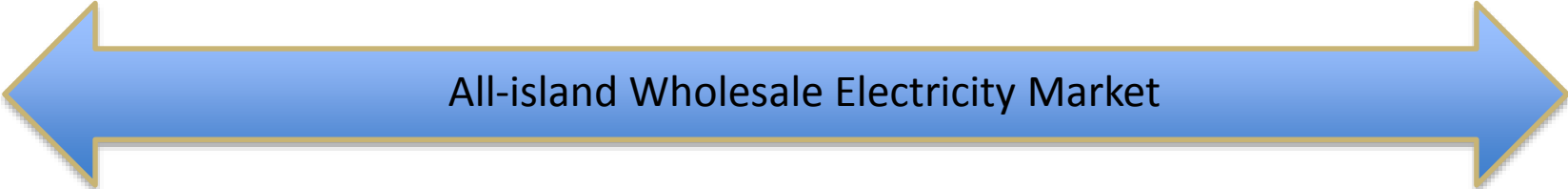


Generation

Transmission

Distribution

Customers



Powering the NI Power House



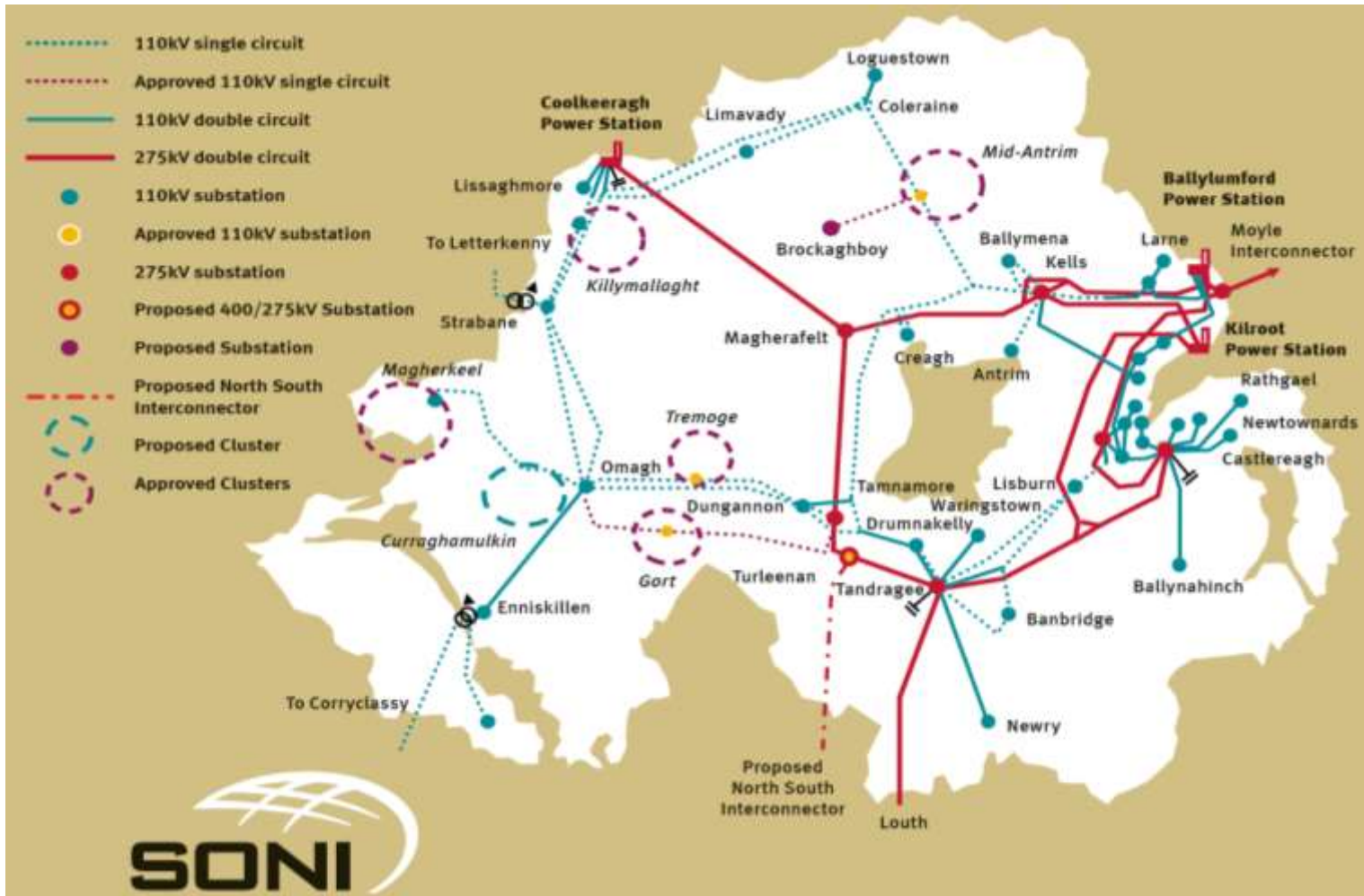
- Favourable business conditions & robust infrastructure go hand-in-hand in attracting FDI
- Intel, Microsoft, Google & Facebook investing in RoI - all located where grid is strongest
- Transmission infrastructure is the backbone of the Economy



Developing the Transmission Network

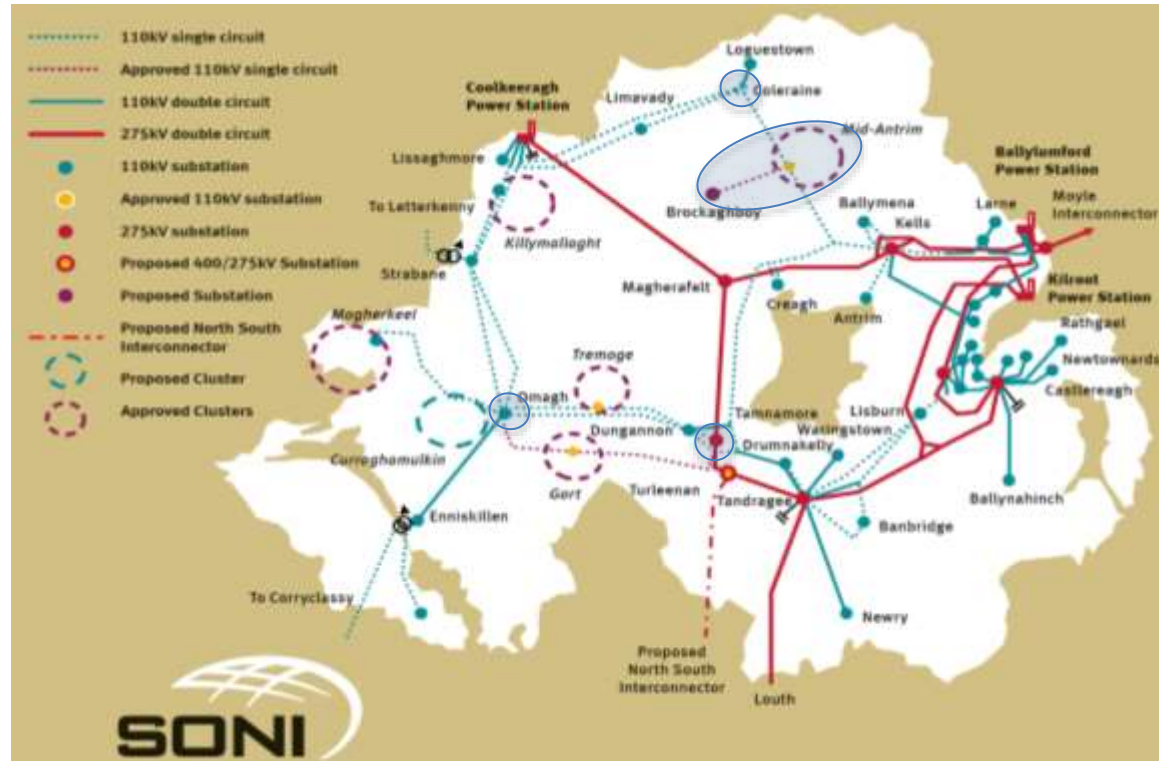


NI Transmission System



Grid Development in the Causeway Coast and Glens area

- **Brockaghboy 110kV Renewables Connection Project**
 - Connect Brockaghboy Wind Farm and strengthen 110kV transmission network in local area
 - Planning application submitted to Causeway Coast and Glens BC and Mid Ulster DC in December 2015
- **Investment in improved voltage support**
- **Proposed Tidal Connection**



Future Development Plans

- SONI develops 10 year Forecast Development Statements which define future network extension and infrastructure requirements.
- Also required under EU legislation to deliver a biennial Ten-Year Network Development Plan.
- Effective engagement with local authorities such as Causeway Coast & Glens Borough Council is essential to ensure these plans are considered in each Council's Local Development Plan.
- Timely and well-planned development of new network infrastructure is crucial to SONI fulfilling its responsibility to ensure the safe, secure and efficient supply of electricity.





400kV North South Interconnector



What is Being Proposed

- North South Interconnector (NSI) - joint project between SONI and EirGrid
- 400kV overhead line will link the electricity networks in NI and ROI
- Key facts about the proposal:

c. £204m total capital investment

1 new substation in NI at Turleenan, Co. Tyrone

34km in NI - 138km along the entire route

102 new pylons in NI - 401 along the entire route

170 landowners in NI – 626 along the entire route

Crosses counties **Tyrone, Armagh**, Monaghan, Cavan & Meath



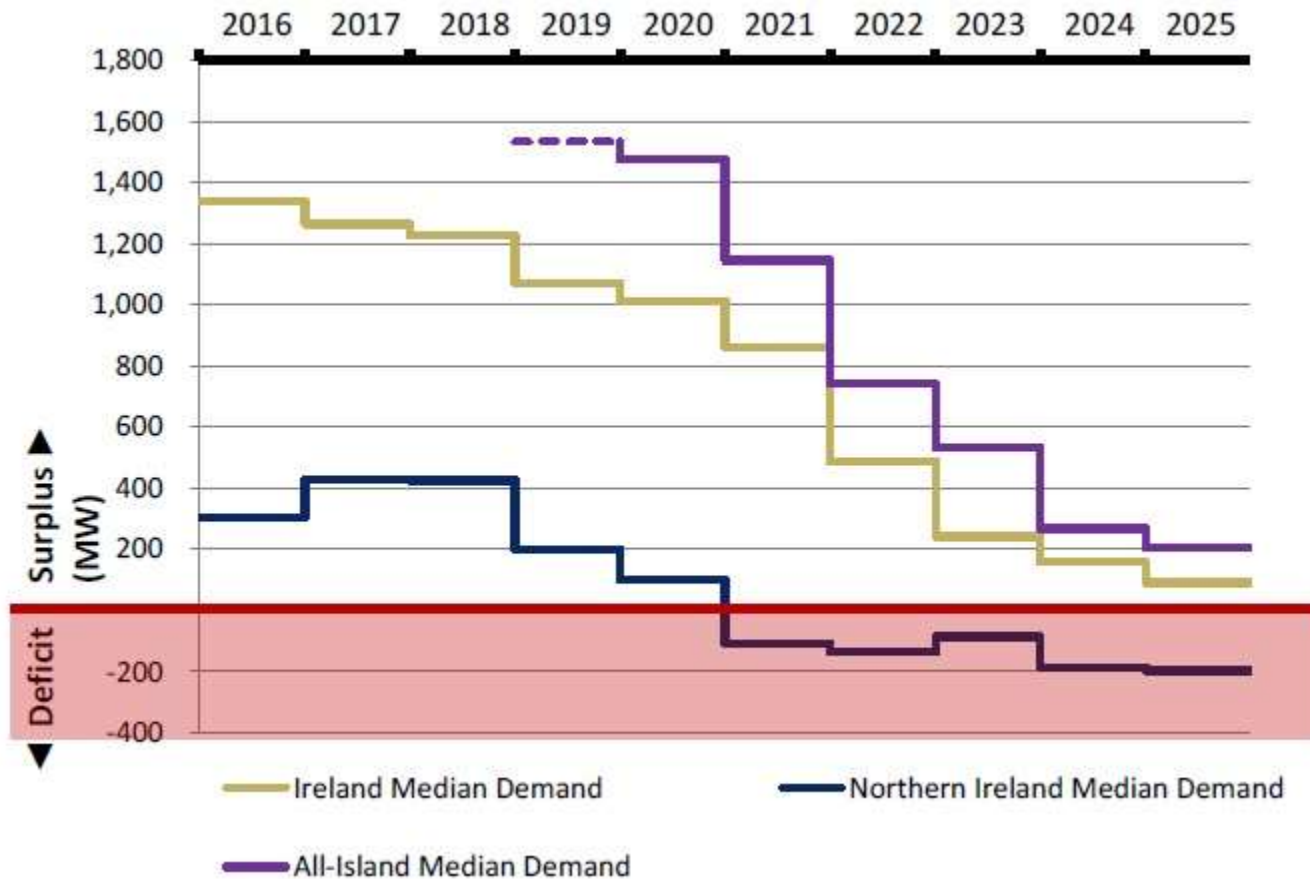
High Voltage Tower Structures



Tower	110kV	110kV DC	275kV	400kV (NSI)
Height	14-24m	30-45m	45-60m	22-43m
Clearance	7m	9m	8.4m	9m
Span	150m	200m	300m	350m



Security of Supply



Development of the North South Interconnector without further delay is vital



Importance to the Causeway Coast & Glens area



- North South Interconnector will help facilitate:
 - **Business growth**
 - **Investment**
 - **Job creation**
 - **Future Enterprise Zone**
- It will also:
 - **Improve competition**
 - **Reduce costs to consumers**
 - **Facilitate renewable energy integration**

Importance to Industry

A number of key industry and business organisations are on record regarding the importance of the North South Interconnector project, including:



Current Status Of NSI Planning

- Oral Hearing on EirGrid Application 7th March 2016
- ES addendum submitted by SONI to DOE Planning in June 2015.
- Planning Appeals Commission (PAC) now collating information required to recommence Public Inquiry.
- Public Inquiry hearing scheduled to recommence in June 2016 with a decision expected from the new Infrastructure Minister by year end.
- Construction expected to be completed Q4 2019.



Summary

- **NSI is essential to ensure security of electricity of supply;** generate significant cost savings to consumers; enable economic growth, investment and job creation; and support renewable energy generation.
- **SONI would welcome support from Causeway Coast and Glens Borough Council** once the Planning Appeals Commission's Public Inquiry process is recommenced.
- Delegation from Causeway Coast and Glens Borough Council welcome to visit SONI HQ and view the operation of the system in our Control Centre.
- Any questions or issues please get in touch.





Thank you
Any questions?

