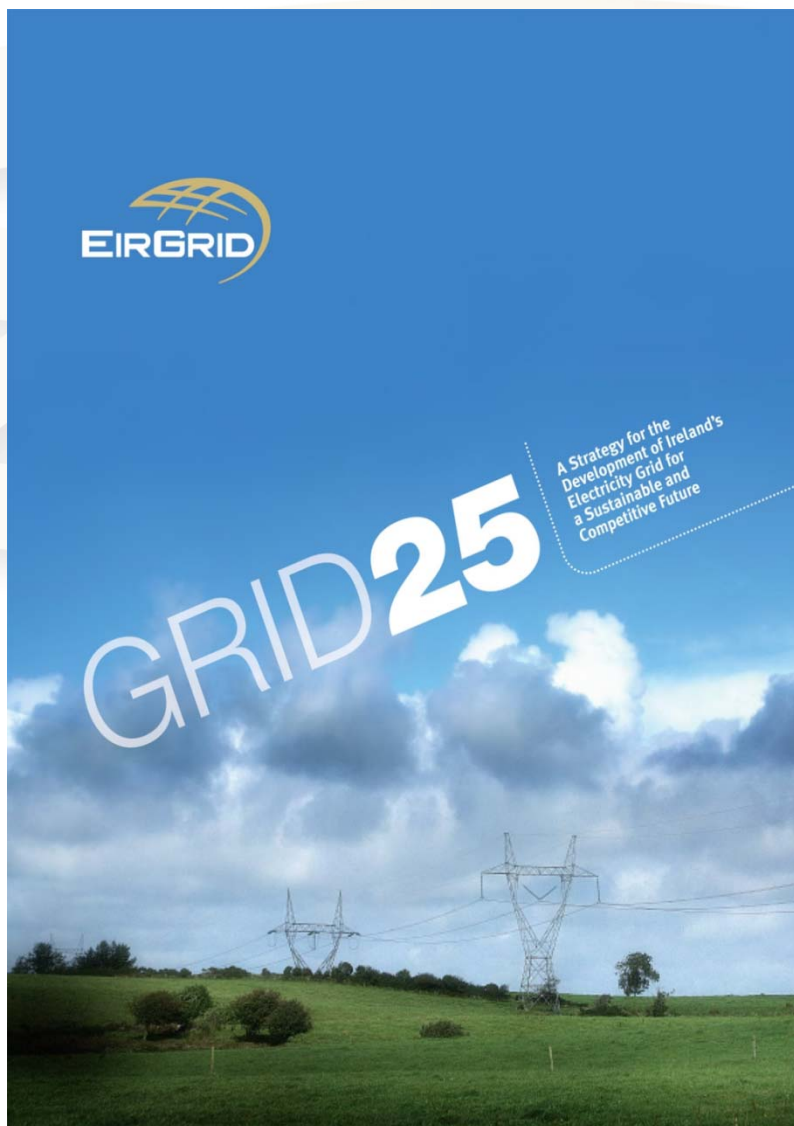


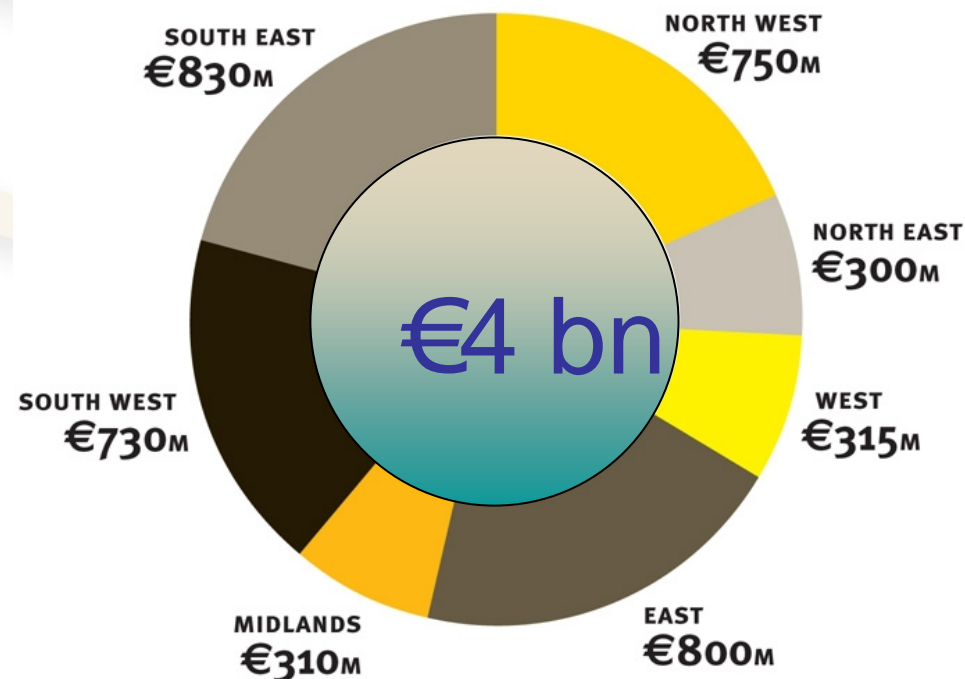
Grid Infrastructure Development *“Grid25”*

Andrew Cooke, Director,
Grid Development & Commercial, EirGrid
EirGrid Group Customer Conference 2009

GRID25



- 1,150 km new build
- 2,200 km Upgrades
- €4 billion



GRID25 Current Activities

- Implementation Planning
- Network Planning/Optimisation
- Public Planning Process
- Stakeholder Communication
- Technology Investigations
- International Experience

Technology Investigations

- High Temperature Low Sag (HTLS) Conductors
- Station Equipment
- High Voltage Underground Cable (TEPCO)
- HVDC (TransGrid)

International Experience

- Leveraging International relationships, particularly ENTSO-E
 - Investment drivers
 - Policy, Regulatory and Planning Landscape
 - Public Consultation and engagement with stakeholders
 - Technology

International Experience

- Similar experience in many countries
 - Need for development
 - Public Opposition
 - Long planning delays
 - Issues with high-voltage underground cable (technical, reliability, cost, physical intrusion)

International Experience

- Differences
 - EMF an issue in only some countries
 - Some objections to underground cables due to EMF (and physical impact)
 - Post-planning consents, generally no issues reported (6 years to consent, 2 years to build)

International Experience

- Responses
 - Re-defined policies on UGC
 - Various initiatives to accelerate planning process
 - Structured compensation schemes
 - Enhanced approaches to public consultation

GRID25 – Next Steps

- Rollout **GRID25** Implementation Plan
- Complete Technology Reviews
- Continue to optimise projects and ‘flex’ strategy based on changing circumstances



Thank You