



CER Presentation to  
Meitheal na Gaoithe  
Gate 3 Update

*Andrew Ebrill, Kilkenny, 15<sup>th</sup> May 2009*



## Gate 1



- Gate 1 of GPA launched end '04
- Offers Issued: 33 wind farms, 365 MW  
- selected on application date order
- All accepted and now being built

## Gate 2

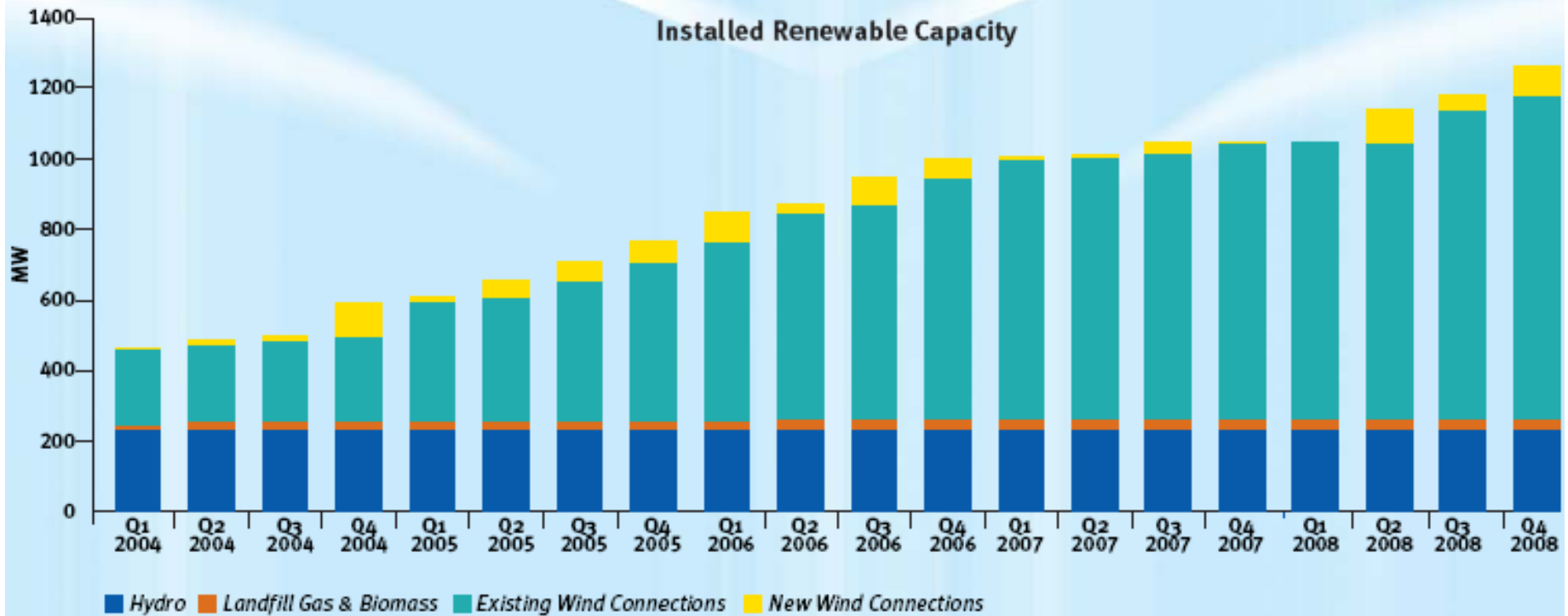


- Gate 2 of GPA decided on in 2006 - more ambitious
  - Queue and system optimisation are criteria for inclusion
- => 120 projects, 1,300 MW in Gate 2
- => Large rise in renewables contracted and/or connected

# Renewable Connections



## Renewables



Source: EirGrid

# Renewable Statistics



<b>Renewable Generation</b>	<b>Capacity MW</b>
Already Connected	1,274 - incl. 1,007 wind
Contracted to Connect	1,508 - incl. 1,483 wind
<b>Total</b>	<b>2,782</b>



## Gate 3



- CER's Gate 3 direction - December '08
- Provides for 40% renewable target & Gate of 3,900 MW
- Applicants selected by date order
- Connected through EirGrid's *Grid25* plan: "build and they will come"
- Offers roll out from this December

## Gate 3 & *Grid25*



- Old 5-year type horizon too short for transmission network with so much development (esp. wind) over next 15 years
- Allows/Plans for circa 6,500 MW of renewables, 1,500 MW of IC, 9000 MW of conventional for 2025
- To meet peak demand of 8,000 MW (!)

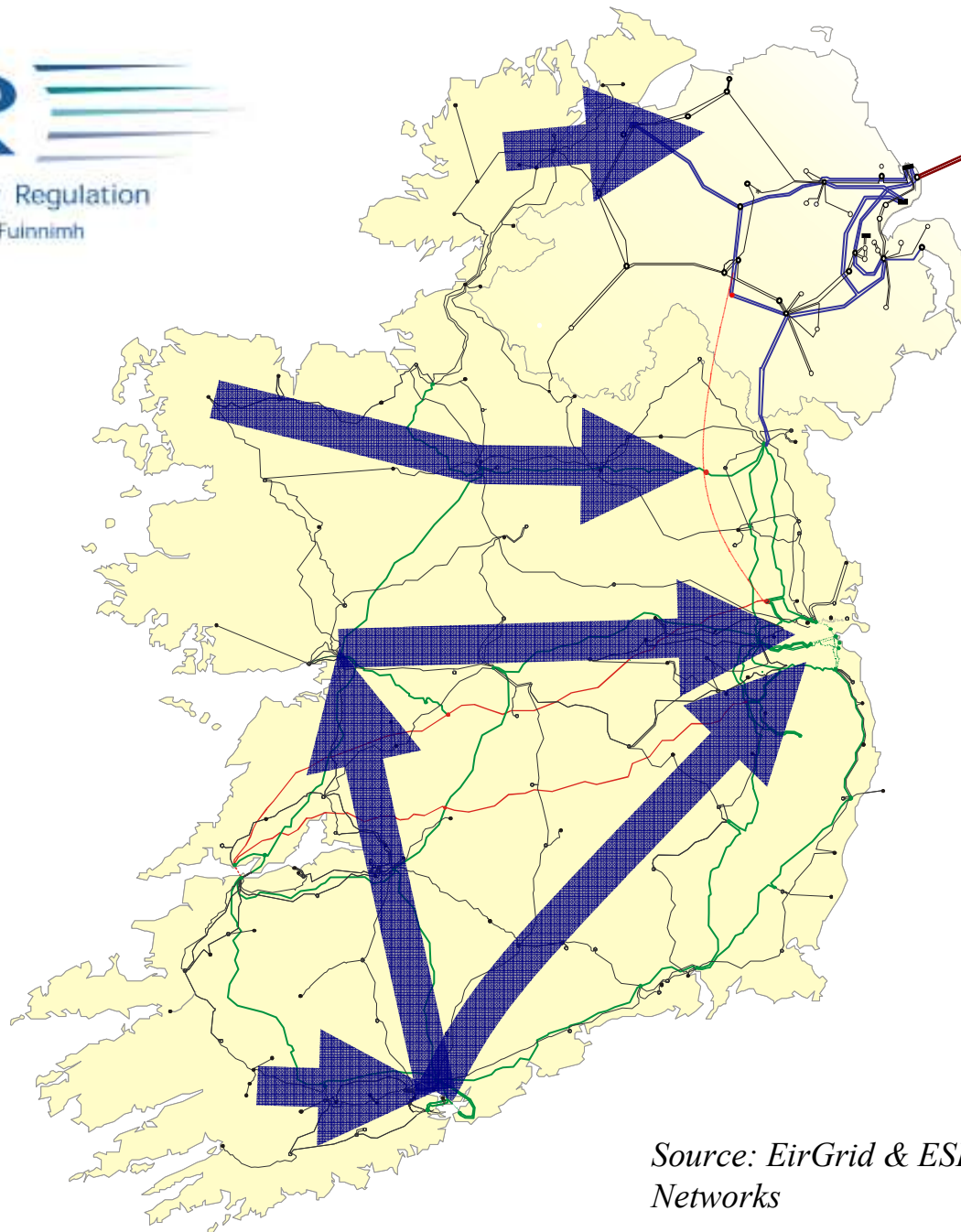


- Eur4 billion quoted for Grid25
- CER will review/approve costs for 2011-'15 network
- Planning permission and finance are a potential barrier to build grid and renewable target

# CER

Commission for Energy Regulation

An Coimisiún um Rialáil Fuinnimh



*Source: EirGrid & ESB  
Networks*



## Gate 3



- Offer to issue from Dec. '09 to June '11
- All projects must accept their offer within 50 business days
- Disputes must be lodged to CER within 25 business days - party must have made attempt to engage with SO

# Offer Schedule
















<b>Area</b>	<b>DSO Shallow Connection Reports to TSO</b>	<b>Transmission Offers to DSO</b>	<b>Offers Issue</b>
<b>K</b>	<b>31/07/2009</b>	<b>26/11/2009</b>	<b>17/12/2009</b>
<b>D</b>	<b>01/10/2009</b>	<b>05/03/2010</b>	<b>02/04/2010</b>
<b>H2</b>	<b>04/12/2009</b>	<b>25/06/2010</b>	<b>29/07/2010</b>
<b>H1</b>	<b>24/11/2009</b>	<b>09/08/2010</b>	<b>17/09/2010</b>
<b>B</b>	<b>13/11/2009</b>	<b>01/09/2010</b>	<b>13/10/2010</b>
<b>F</b>	<b>07/04/2010</b>	<b>28/10/2010</b>	<b>23/11/2010</b>
<b>E</b>	<b>12/03/2010</b>	<b>03/01/2011</b>	<b>07/03/2011</b>
<b>J</b>	<b>23/04/2010</b>	<b>28/02/2011</b>	<b>13/04/2011</b>
<b>A</b>	<b>19/07/2010</b>	<b>27/04/2011</b>	<b>10/06/2011</b>
<b>C</b>	<b>03/08/2010</b>	<b>24/05/2011</b>	<b>15/06/2011</b>
<b>G</b>	<b>12/08/2010</b>	<b>12/05/2011</b>	<b>17/06/2011</b>
<b>I</b>	<b>10/09/2010</b>	<b>31/05/2011</b>	<b>21/06/2011</b>

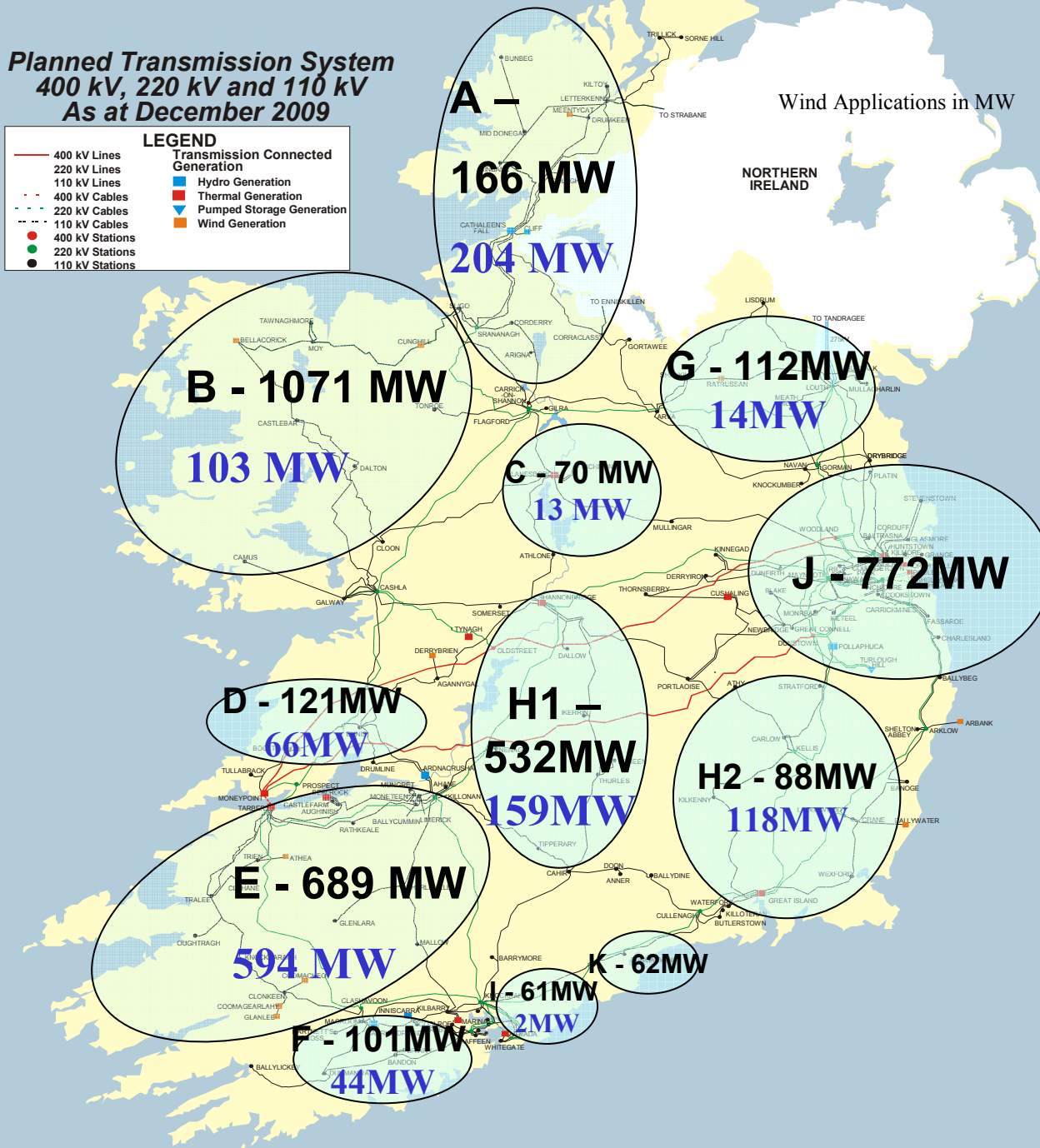
*Source: EirGrid, ESB Networks*

**Gate 3 ≈ 3900 MW**  
**Gate 2 ≈ 1300 MW**

**Planned Transmission System  
 400 kV, 220 kV and 110 kV  
 As at December 2009**

LEGEND	
Transmission Connected Generation	
	Hydro Generation
	Thermal Generation
	Pumped Storage Generation
	Wind Generation
	400 kV Lines
	220 kV Lines
	110 kV Lines
	400 kV Cables
	220 kV Cables
	110 kV Cables
	400 kV Stations
	220 kV Stations
	110 kV Stations

Wind Applications in MW



Source:  
 EirGrid,  
 ESB Networks

# Conventionals



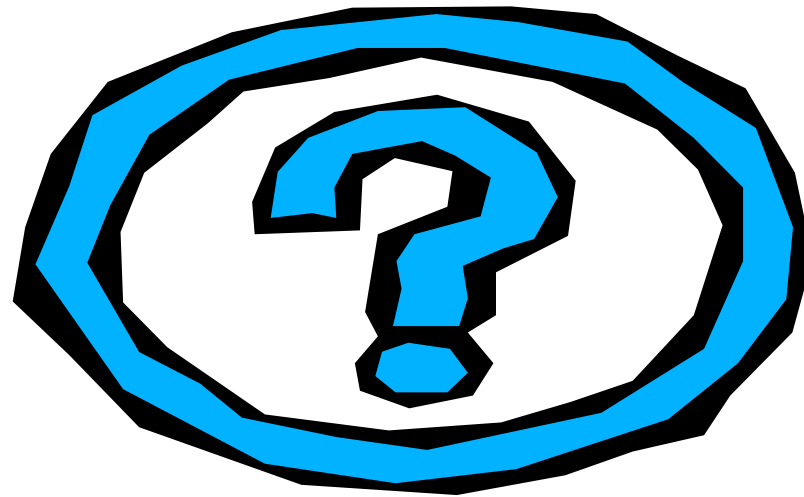
- > 6,000 MW of conventional applicants in queue to connect
- How many conventional applicants receive an offer with Gate 3, and on what basis?
- Aim: Keep lights on, assist competition, provide flexible plant portfolio to balance wind, don't lock in the future...!
- Proposed direction due in coming weeks



- CER/industry monthly Liaison Group going well - includes MnaG!
- Helps keep offer programme on track
- Discusses inter-related issues such as constraint reports
- Minutes and documents on CER Website at [www.cer.ie](http://www.cer.ie)

## CER's Gate 3 Interrelated Workstreams

<b>Project Dependency</b>	<b>CER Workstream</b>	<b>Consultation</b>	<b>Decision</b>
Confirmation by CER of rules for firm access	All-Island dispatch and scheduling	Due Early June 09	Due Late August '09
	Locational Signals Options, (includes TUoS & TLAfs)	Workshop held in Feb '09 Consultation due in May '09	Depends on option chosen
Decision by CER on the non-GPA small plants to receive offers	Treatment of renewable and certain small scale generators outside the GPA	Already Published in March '09	Due June '09
Confirmation by CER of changes to the terms/conditions of standard contracts	Terms and conditions of standard contracts	Proposed Direction Already Published in April '09	Due June '09
Confirmation by CER of standard costs and leadtimes	Standard Costs and Timelines	Already Published in October '08	Already Published in May '09
Decision by CER on the conventional plants to receive connection offers	Treatment of Conventional Applications	Already Published in Feb '09	Proposed Direction Due May '09
Approval by CER of the revisions to the Pricing Principles paper	Joint Pricing Principles	To be decided	To be decided



*Questions and Answers*

