

# Customer Communications

- Notification of Scheduled Firm Access Quantities
- Notification of Associated Transmission Reinforcements
- Status of Associated Transmission Reinforcements
- Constraint Reports



# Schedule of Firm Access Quantities

- What is Published Today?
  - FAQ Schedule for all Gate 1 and 2 projects
  - Emerging Results from EirGrid's FAQ Analysis for Gate 3 covering 2012-2018
- What Information is Provided?
  - All wind farm projects are listed
  - For each wind farm, scheduled FAQ per year is shown
- Is it Updated?
  - Yes: Gate 1 and 2 will be updated by year end
  - Remaining years for Gate 3 will be added by year end
  - After that there are no plans to provide further updates to these schedules
  - Any changes to FAQ dates will be provided via ATR updates



# Extract from “Emerging Results from EirGrid's FAQ Analysis for Gate 3 published 6th Dec 2012”

## Gate 3 Scheduled Firm Access Quantities (FAQ)

Project Reference	Project Name	Maximum Export Capacity, MEC (MW)	Note	FAQ 2012 (MW)	FAQ 2013 (MW)	FAQ 2014 (MW)	FAQ 2015 (MW)	FAQ 2016 (MW)							Total FAQ (MW)	% MEC
<b>Gate 3 Renewable - Wind</b>																
DG104	Springfarm (1)	6	Arklow 110kV	6											6	100%
DG109	Kish (1)	52	Carrickmines 220kV	52											52	100%
TG45	Raheenleagh (1)	36.5	Arklow 110kV	36.5											36.5	100%
DG182	Ballyshonog (1)	5	Carlow 110kV	5											5	100%
DG209	Ballycumber (1)	18	Arklow 110kV	18											18	100%
DG306	Ballycadden (2)	11.5	Lodgewood 110kV	11.5											11.5	100%
DG307	Knocknalour (2)	3.95	Lodgewood 110kV	3.95											3.95	100%
DG323	Ballyduff WF (1)	0.6	Lodgewood 110kV	0.6											0.6	100%
DG408	Ballymartin [Cork] (1)	8.28	Waterford 110kV	8.28											8.28	100%
TG66	Mountlucas (1)	79.2	New Mount Lucas 110kV	65.5	13.7										79.2	100%
DG274/DG275	Kish 2 & 3 Merge	104	Carrickmines 220kV	42	62										104	100%
TG86	Oriel (1)	330	New Oriel 220kV	330											330	100%
DG144	Bragan (1)	33.1	Lisdrum 110kV		33.1										33.1	100%
DG176	Kingscourt (1)	18	Meath Hill 110kV		18										18	100%
DG252	Nafferty Hill (1)	2.04	Meath Hill 110kV		2.04										2.04	100%
DG266	Teevuroher (1)	9	Meath Hill 110kV		7.5			1.5							9	100%
DG276-277-278-279	Kish 4 5 & 6 and 7 Merge	208	Carrickmines 220kV		26.5			136							162.5	78%
DG232	Slievenaglogh (1)	15	Dundalk 110kV		9.5										9.5	63%
DG212	Sonnagh Old (2)	0.85	Somerset 110kV			0.85									0.85	100%
DG400	Sonnagh Old (3)	11.04	Somerset 110kV			1	10.04								11.04	100%
TG33	Ederglen (1)	16.8	Bellaacorrick 110kV					16.8							16.8	100%
TG25	Oweninney (1)	34	Bellaacorrick 110kV					34							34	100%
TG26	Oweninney (2)	48	Bellaacorrick 110kV					48							48	100%
TG27	Oweninney (3)	56	Bellaacorrick 110kV					7							7	13%
TG30	Boolynagleragh (1)	36.98	Booltiagh 110kV					36.98							36.98	100%
DG87	Carrickeaney (1)	7.65	Sligo 110kV					7.65							7.65	100%
DG92	Ugool (1)	64	New Knockranny 110kV					64							64	100%
DG94	Leitir Guingaid & Doire Chrith (1)	14	New Salthill 110kV					14							14	100%
DG101	Faughary (1)	6	Sligo 110kV					3							3	50%
DG107	Askeaton (1)	20	Aughinish 110kV					20							20	100%
DG108	Lealetter (1)	22.5	New Salthill 110kV					22.5							22.5	100%
DG120	Lissy Casey (1)	6	Booltiagh 110kV					6							6	100%
TG36	Boolynagleragh (2)	11.64	Booltiagh 110kV					11.64							11.64	100%
DG128	Carrownawelaun (1)	4.6	Tullabrack 110kV					4.6							4.6	100%
DG148	Cahermurphy (1)	6	Booltiagh 110kV					6							6	100%
DG186	Leanamore (1) - formerly Tarbert (1)	18	New Kilpaddoge 110kV					1.5							1.5	8%

# FAQ Analysis Inputs

## Transmission Reinforcements Assumed Complete

- What is Published on Web Site Today?
  - Transmission Reinforcement assumed completed before 2018
- What Information is Provided?
  - A list of all Transmission Reinforcements fed into the FAQ analysis
  - The assumed completion date for these reinforcements as known at the data freeze date
  - Data Freeze was July 2012
- Will it Be Updated?
  - Yes – When the remaining years of FAQ are published the list will be updated to extend to those years
  - After that no updates will be published. This list contains the INPUTS to the FAQ analysis which will have been completed by year end.



# Extract from “Transmission Reinforcements Assumed Complete 2012-2018”

The following Transmission Reinforcement Projects are scheduled to be completed in 2013

Capital Project No.	Project Title	Scheduled Completion Date
CP0197	Cushaling - Thomsberry 110kV Line - New 110kV Line	2013
CP0285	Cullenagh - Great Island 220kV Line Refurbishment and Uprate	2013
CP0322x	Trabeg 110kV Station Protection Upgrade	2013
CP0371	Ballydine - Doon 110kV Line Uprate (incl. of Busbar Uprate in Ballydine 110kV Station)	2013
CP0421	Binbane - Letterkenney 110kV Line - New Line	2013
CP0529	Thurles 110kV Station Reactive compensation	2013
CP0559	Butlerstown - Killoteran 110kV Line Uprate (incl. of Busbar Uprate in Butlerstown 110kV Station)	2013
CP0645	Portlaoise 110kV Station - 2 New DSO 110kV transformer bays	2013
CP0657	Ikerrin - Thurles 110kV Line Uprate (incl. of Busbar Uprate in Thurles 110kV Station)	2013
CP0667	Inchicore - Maynooth No. 1 & 2 220kV Line Uprate	2013
CP0682	Woodland 400kV Station - 3rd 400/220 500MVA transformer	2013
CP0683	Dunstown 400kV Station - 2nd 400/220 500MVA transformer	2013
CP0689	Ennis 110kV Station Busbar Uprate	2013
CP0696	Marina - Trabeg 110kV No. 1 & 2 cables - Uprate cable	2013
CP0698	Prospect - Tarbert 220kV Line Uprate	2013
CP0701	Cullenagh - Dungarvan 110kV Line Uprate	2013
CP0702	Butlerstown - Cullenagh 110kV Line Uprate	2013
CP0707	Barrymore 110kV Station - DSO loop into Cahir - Knockraha 110kV Line	2013
CP0708	Navan 110kV Station Refurbishment/ Busbar Uprate	2013
CP0716	Carrigadrohid - Macroom 110kV Line Uprate	2013
CP0717	Clashavoon - Knockraha 220kV Line Uprate	2013
CP0719	Inniscarra - Macroom 110kV Line Uprate	2013
CP0723	Cushaling 110kV Station Busbar Uprate	2013
CP0724	Thomsberry 110kV Station Busbar Uprate	2013
CP0731	Bellacorick - Castlebar 110kV Line Uprate	2013
CP0733	Cloghran 110kV Station Shallow Works	2013
CP0734	Cathaleen's Fall 110kV Station Busbar Uprate - A1/B1	2013
CP0747	Maynooth - Ryebrook 110kV Line Uprate	2013
CP0762	Charleville - Mallow 110kV Line Uprate	2013
CP0773	Bellacorick 110kV Station Busbar Uprate	2013



# Associated Transmission Reinforcements

- What is Published on the Web Site Today?
  - Associated Transmission Reinforcement List and Updated Scheduled Completion Dates for Gate 1 and 2
  - Updated Scheduled Completion Dates for Gate 3 ATRs have not been published to date
- What Information is Provided
  - List of all Gate 1 and 2 ATRs and associated scheduled completion date
  - Date changes since the last publication are highlighted
- Is it Updated?
  - Yes. These are updated from time to time
  - Future updates will be done once per quarter
  - **From early 2013 onwards the list will include all Gate 3 ATRs**



# Extract from “Gate 1 & 2 Associated Transmission Reinforcement List and Updated Scheduled Completion Dates”

## 30 SEPTEMBER 2012 - Update of ATR Scheduled Completion Dates

Notes:

Red denotes a change to a scheduled completion date since the last update.

\* Moneypoint 220/110kV Station Project was formerly called Moneypoint 220/110kV 250MVA transformer. The project descriptor for this ATR was changed to better reflect the totality of the project and no project elements were changed.

Transmission Reinforcement	ITC Assumed Completion Date	Scheduled Completion Date		
		(update as of 21-Feb-12)	(update as of 6-Sep-12)	(update as of 30-Sep-12)
	(Month/Year)	(Month/Year)	(Month/Year)	(Month/Year)
Corderry 110kV station busbar uprate	30/09/2012	30/09/2012	30/09/2012	30/09/2012
Srananagh 220kV project	31/12/2012	31/12/2012	31/12/2012	31/12/2012
Construction of Arva - Shankill No. 2 110kV line	31/12/2012	31/12/2012	31/12/2012	31/12/2012
Cullenagh - Waterford 110kV line uprate	31/12/2012	31/12/2012	31/12/2012	31/12/2012
Crane 110kV station busbar uprate	31/12/2012	31/12/2012	31/12/2012	31/12/2012
Cathaleen's Fall - Srananagh No.1 110kV line uprate	31/12/2012	31/12/2012	31/12/2012	31/12/2012
Cathaleen's Fall - Golagh T 110kV line uprate	31/12/2012	31/12/2012	31/12/2012	31/12/2012
Butlerstown 110kV station busbar uprate	2013	2013	2013	2013
Cathaleen's Fall - 110kV station busbar uprate	2013	2013	2014	2014
Cathaleen's Fall - Srananagh No. 2 110kV line uprate	2013	2014	2014	2014
Clashavoon - Knockraha 220kV line uprate	2013	2013	2013	2013
Construction of Binbane - Letterkenny 110kV line	2013	2013	2013	2013
Cullenagh - Great Island 220kV line uprate	2013	2013	2013	2013
Ennis 110kV station busbar uprate	2013	2013	2013	2013
Carrick-on-Shannon 110kV station busbar uprate	2014	2014	2014	2014
Cathaleen's Fall - Clogher 110kV line uprate	2014	2014	2014	2014
Clashavoon - Tarbert 220kV line uprate	2014	2014	2015	2015
Construction of Kilpaddoge - Moneypoint 220kV cable	2014	2014	2015	2015
Construction of Kilpaddoge 220/110kV station	2014	2014	2015	2015
Construction of North Kerry 220/110kV station	2014	2014	2015	2015



# Direct Communications

## ATRs and FAQs

- Notification of ATRs
  - Gate 3 wind projects scheduled fully firm by 2016 should have received their new list of ATRs
  - All remaining Gate 1, 2 and 3 wind projects will receive their new list of ATRs in Quarter 1
  - **THESE LISTS ARE VERY IMPORTANT**
  - **YOU ONLY RECEIVE FAQ UPON THE COMPLETION OF YOUR ATRS**
- Notification of change to FAQ date
  - If a change in an ATR scheduled completion date causes a change in scheduled FAQ, TSO/DSO will notify affected customers in writing





# Sample ATR Notification

## Statement of Associated Transmission Reinforcements and Firm Access Quantities

Generation Project: PROJECT X  
Connection Agreement Ref: P-9999  
Project Code: TG - 9999  
MEC (MW): 100

### Associated Transmission Reinforcements for a Scheduled Firm Access Quantity 65.5 MW

<u>Assumed Completion Date*</u>	<u>Associated Transmission Reinforcement:</u>
2012	Busbar uprate - Ryebrook 110kV station including line Bays
2013	Busbar uprate - Bellacorick 110kV station
2013	Uprate Bellacorick - Castlebar 110kV circuit to a summer/winter rating of 187/223 MVA
2014	Busbar sectionaliser uprate - Cunghill 110kV station
2014	Busbar uprate - Carrick on Shannon 110kV station
2014	Uprate Cunghill - Glenree 110kV circuit to a summer/winter rating of 187/223 MVA

### Associated Transmission Reinforcements for a Scheduled Firm Access Quantity 34.5 MW

<u>Assumed Completion Date*</u>	<u>Associated Transmission Reinforcement:</u>
2015	Uprate Arva - Shankill 110kV circuit 1 to a summer/winter rating of 187/223 MVA
2015	Uprate Flagford - Lanesboro 110kV circuit to a summer/winter rating of 187/223 MVA
2016	Busbar uprate - Lanesboro 110kV station
2016	Uprate Carrick on Shannon - Arigna T 110kV circuit to a summer/winter rating of 187/223 MVA
2016	Uprate Corderry - Arigna T 110kV circuit to a summer/winter rating of 187/223 MVA

# ATR Scheduled Completion Dates

## *The Single Source of Truth*

- There are many publications which provide estimated completion dates for Transmission Projects
  - Transmission Forecast Statement
  - Transmission Development Plan
  - CER Transmission Project Chart
- The Single Source of Truth which you should use for information on ATR scheduled completion dates is:
  - Associated Transmission Reinforcement List published on EirGrid Website page dedicated to ATRs
  - Updated Quarterly Starting End January 2013



# Constraint Reports

- What Information is Provided?
  - Assumptions and methodology including scheduled connection dates for generation projects
  - Scenarios modelled and descriptions of these
  - System wide Curtailment and Constraint Levels for each year from 2014-2020 for each scenario
  - Node Specific Curtailment and Constraint Levels for each year from 2014-2020 for each scenario
- When Will It Be Provided?
  - Reports will commence production after tie-break decision is made
  - Reports will take 9 months to complete
  - Reports will commence issuing during these 9 months
  - Not easy to say yet when exactly these will start to issue

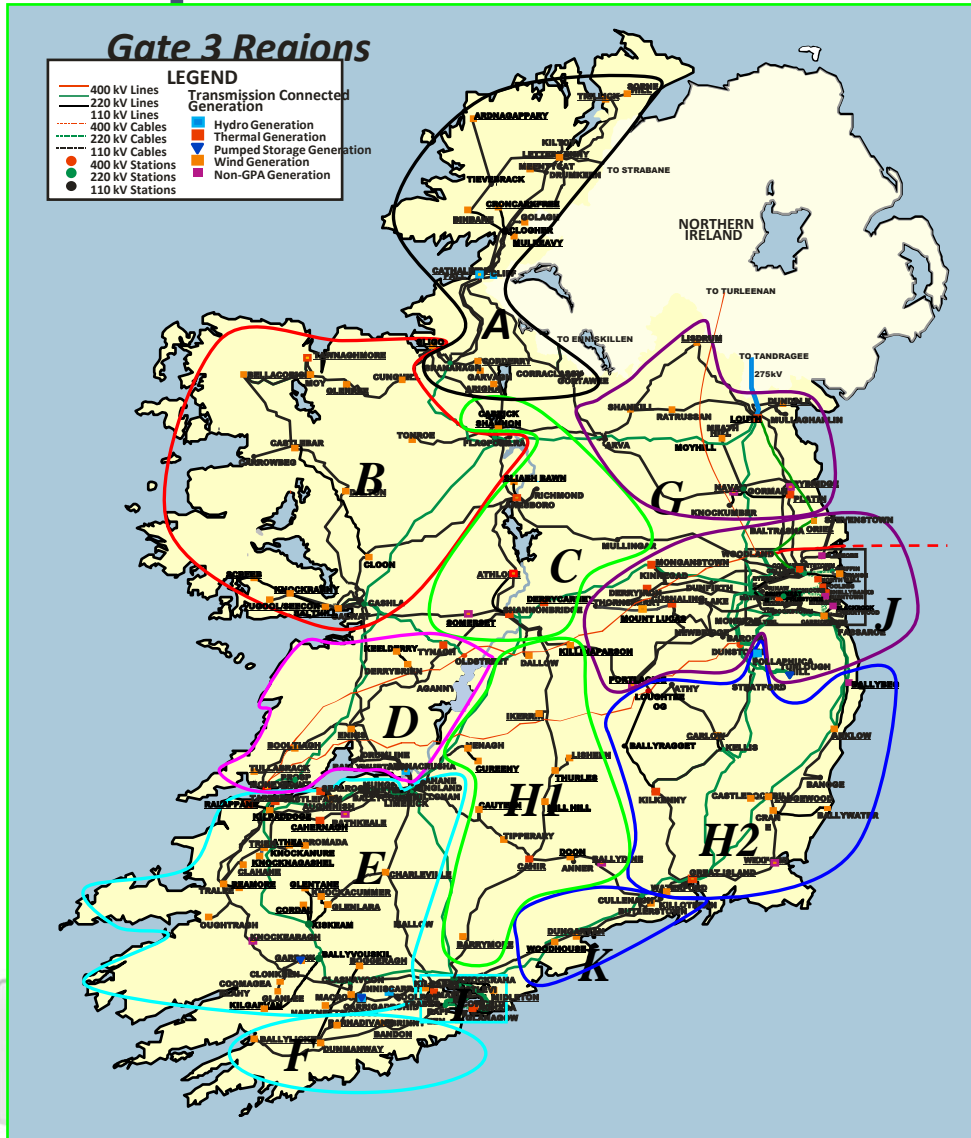


# Constraint Reports

- How Will They Be Provided
  - Each applicant receives the constraint report for their area.
  - Constraint Reports are not published on the Website
- What Order Will They Be Provided In
  - See Next Slide
- Will They Be Updated
  - No. Constraint Reports are not updated after they are issued



# Schedule for issuing Constraints Reports



Region K

Region D

Region H2

Region H1

Region B

Region F

Region E

Region J

Region A

Region G

Region C

Region I

# Other Communications

- Area Workshops
  - Will be scheduled for each area in Quarter 1 2013
  - Opportunity to discuss ATR progress in detail
  - Opportunity to discuss area specific issues and opportunities
- Detailed Progress on ATRs
  - ATR scheduled completion date publication only shows dates
  - More information could be made available on the scope, progress, major milestones etc.
  - Is this valuable? Is it too much information? Please tell us what you want.



# Summary of Upcoming Communications

- Gate 1, 2 and 3 FAQ Schedule:
  - **When:** End December.
  - **How:** E-mail Notification of Website Publication
- Gate 1, 2 and 3 ATR notifications:
  - **When:** Quarter 1 2013
  - **How:** By Letter
- Area workshops
  - **When:** Quarter 1 2013
  - **How:** Invitation sent by e-mail
- ATR scheduled completion dates
  - **When:** Quarterly from end January 2013
  - **How:** E-mail Notification of Website Publication
- Constraint Reports
  - **When:** Depends on Tie Break...
  - **How:** By letter



# Thank you for Listening







# Website Links

- FAQ Page

- Gate 3 FAQs and Gate 3 ATR Assumed completion date :

EirGrid Site >> Customers Tab >> Generators Box >> Firm Access Quantities Link

<http://www.eirgrid.com/customers/gridconnections/generatorconnections/firmaccessquantities/>

- ATR Page

- Gate 1 and 2 ATRs – will include Gate 3 ATRs from 2013 onwards: EirGrid Site >> Customers Tab >> Generators Box >> Associated Transmission Reinforcements Link

<http://www.eirgrid.com/customers/gridconnections/generatorconnections/associatedtransmissionreinforcements/>



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### Customers

EirGrid aims to deliver quality services to all electricity customers. We define a customer as anyone to whom we provide a service. This includes all Demand customers, Renewable Generators and Conventional Generators who are connected to the Transmission System, Suppliers, Stakeholders and all other interested parties.

Our Customer Relations Team aims to provide professional, reliable, and efficient assistance and support to all of our customers. We provide to all customers a single point of contact to facilitate the processing of all their queries and comments.

#### Customers

- » Customer Service
- » Grid Connections
- » Workshops and Conferences
- » Suppliers

#### Quick links

- GRID25
- Gate 3
- Grid Connections
- Publications
- System Performance Data

#### Connecting to the Grid

- [Apply to Connect to the Grid](#)
- [Generator Connections](#)
- [Demand Connections](#)
- [Transmission Use of System Charges](#)
- [Demand Side Units](#)

#### Generators

- [Gate 3](#)
- [Firm Access Quantities](#)
- [Associated Transmission Reinforcements](#)

#### Information

- [Workshops and Conferences](#)
- [Customer Connections Updates](#)
- [Connected and Contracted Generators](#)
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