Reduced Criteria for Generation Facilities

Connection Application Form to the Transmission System

April 2018

EIRGRID

Introduction

Applicants may choose to provide the technical details of a project at a later date when the applicant will be expected to be in a better position to confirm what the actual equipment to be installed will be. The remaining application data will be assumed by EirGrid for the purposes of carrying out connection studies. The applicants will however be required to provide the actual project data at least a year prior to connection and will be liable for any changes to connection method, charges, lead-times, or other as a result of the assumptions made.

This application, (**Reduced Criteria - Generation Application Form**) outlines the reduced criteria EirGrid requires to progress an application for connection to the Transmission System. EirGrid recommends that the applicant refers to the customers section of the website www.eirgrid.com for further information on the application process. The website has links to other relevant documents such as the Grid Code. It should be noted that it is the applicant's responsibility to comply with the technical, design and operational standards detailed in the Grid Code.

Please note for the purpose of this application form TSO should be interpreted as: the holder of the license to operate Ireland's Transmission System (EirGrid).

Please note that this application form deals with HV connections only (≥ 110 kV) and that if an MV (≤ 110 kV) supply is required the applicant should first contact ESB Networks: Tel: +353 850 372 757, www.esb.ie

EirGrid reserves the right to request additional data if necessary and the applicant should provide such information promptly during and post the offer process.

It is EirGrid's responsibility to determine the transmission connection method; if the applicant has a specific request this will be considered and examined in the process. The selected method will be based on the overall least cost technically acceptable solution unless the Applicant requests otherwise or EirGrid requires an alternative method for system reasons.

Definitions of terms used in this form can be found in the Glossary of the Grid Code.

The following information will be disclosed in the applications list found in the 'Completed Generation Applications' section on www.eirgrid.com once the application is deemed fully complete by EirGrid:

- Project name,
- applicant details (contact name, email address, telephone number),
- received complete date,
- status of application,
- grid co-ordinates of electrical connection point,
- capacity of project (MW),
- assigned transmission station, and
- generation type.

Please note that if the application is not initially deemed complete, then the received complete[1] date is recorded as the date that all necessary information has been provided to the system operator.

Please note that payment of application fees can only be made via electronic fund transfer into the following account. Cheques are not accepted.

Bank Details:
Barclays Bank Ireland Plc
2 Park Place,
Hatch Street
Dublin 2
D02 NP94

Sort Code: 99-02-12
Account Name: EirGrid No 2 Account
Account Number: 42890602
Swift Code: BARCIE2D
IBAN: IE80BARC99021242890602

When the application form is completed please send the form to the below address, or email to OPMO@eirgrid.com

EirGrid
Customer Relations
The Oval,
160 Shelbourne Road,
Ballsbridge,
Dublin 4,
D04 FW28
Ireland.

Tel: +353 1 23 70472
Fax: +353 1 661 5375

Please Note: Information contained within this application form may need to be shared with the Distribution System Operator in order to sufficiently assess the application.

[1] More information on the Received Complete Date is available at: http://gridshare/sites/FG/CPC/CPC%20Policy%20Documentation%20Project/Basis%20for%20calculating%20%20Received%20Complete%20Date%20-%20FINAL.pdf

Details of Applicant

Please confirm if this application is an update on a previous application for the Facility?

Yes ☐ *No* ☐

If Yes, please confirm the TG/DG reference supplied by the relevant System Operator:

☐☐☐☐☐☐☐☐

1. Full name of the applicant(s).

_____

2. Address of the applicant(s) or in the case of a corporate body, the registered address and company registration number.

_____

_____

Company Registration No. (If applicable) ☐

3. Telephone Number

☐☐☐☐☐☐☐☐☐☐

4. Contact Person(s)

_____

5. Email Address

_____

6. Contact Address (if different)

_____

_____

7. Please nominate a preferred name for the facility.

_____

Please Note: The TSO will take this preferred name into consideration when determining the facilities' station name but reserves the right to change it in order to avoid any potential for confusion with other projects or stations.
Please refer to Appendix A for EirGrid's policy on User Site/Station Naming.

8. Please specify an address for the facility.

_____

_____

9. Please confirm if you have achieved planning permission for the facility.

Yes ☐ No ☐

Please refer to the Planning Permission Confirmation section (page 9) of this application form for inputting planning permission details

10. It should be noted that it is the applicants responsibility to comply with the technical, design and operational standards detailed in the Grid Code.

Noted ☐

11. Has the applicant signed a confidentiality agreement with theTSO for this facility?

Yes ☐ No ☐

If no, two copies have to be submitted with application form.
Confidentiality agreement templates can be found on EirGrid's website, www.eirgrid.com.

General Data

Technical Details required.

12. Please provide a 1:50,000 “Discovery Series” Ordnance Survey map, with the site boundary, internal network layout and major equipment location (e.g. turbines, stations, etc.) clearly marked.

Name of OS map attachment:

_____

Grid co-ordinates of the electrical connection point (location of the station) of your site

Easting						Northing					

Note that the connection point is normally at the HV bushings of the grid connected transformer. Space for the transmission compound will have to be clearly marked on the site plan. The exact size of the compound will depend on the connection method defined in the connection offer.

Please note that EirGrid may require an option from the applicant for additional land at the facility to facilitate future development of the Transmission System.

Noted ☐

13. Preferred Connection Date, (number of months after a connection offer is executed that the facility will be ready to connect to the network)

_____

Projected period from Preferred Connection Date to Operational Date: (x months)

_____

14. Maximum Export Capacity (MEC) required.
This is the amount of exporting transmission capacity that will be provided for in the connection offer.

MEC _____ (MW)

15. Maximum Import Capacity (MIC) required.
This is the amount of importing transmission capacity that will be provided in the connection offer. (If there is an existing MIC at the facility please state the additional level required related to this application).

MIC _____ (MVA)

16. State number of connecting circuits to the Transmission System (e.g. one, two etc.), the applicant requires for technical and/or security reasons.

Please also state any specific connection method requests e.g. the use of underground cabling or connection to a specific station etc.

Please note that while underground cabling may be quicker to build than overhead line, however it is more expensive and in certain areas of the country the use of underground cabling can have impacts on the Transmission System. For example amplification of background harmonic distortion, that would require additional equipment to be installed to mitigate their impact.

Where the possibility of harmonic amplification exists more detailed studies are required during the process leading to the issuance of a Connection Offer which may not be possible to complete within the standard 90 business day timeframe. Please also note that customers pay for 100% of the least cost connection method. Customer requested connection methods above and beyond the least cost connection method are fully chargeable to customers.

Further information on this aspect of charging policy is available at:
http://www.eirgridgroup.com/customer-and-industry/general-customer-information/connections-and-contracts/

17. Please state the Generation Technology/Type (i.e. Wind, Solar, Battery, CCGT, OCGT, Biomass, etc.)

If two or more technology types are to be constructed under this MEC; please state what portion of the MEC is attributed to each technology.

	Type 1	Type 2	Type3
18A. Number of generating units			
18B. Rated power output of each generating unit (MW)			

19. Confirm whether you wish the connection offer to issue on a contested or a non-contested basis and broadly outline the works the customer wishes to contest.

Further information on contestability is available at:
http://www.eirgridgroup.com/site-files/library/EirGrid/Contestability-and-Connection-Assets.pdf

_____

_____

20. It should be noted that EirGrid will require a PSS/e dynamic model from the applicant for this generation facility 12 months in advance of connection to the network shoeing how the generator will respond to voltage dips, system faults, frequency changes etc.

Noted ☐

DS3 Applicants

This section applies to applicants seeking DS3 Prioritisation[2],[3]

21. Please indicate which services can be provided

FFR ☐ **POR** ☐

Fast Frequency Response

22. What level of FFR can be provided?

FFR ☐ (MW)

23. For how many hours per year can the service be provided?

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24. Service at low MW outputs
Can the service be provided at 0MW output levels?

Yes ☐ No ☐

Can the service be provided while operating below 20% of MEC?

Yes ☐ No ☐

Primary Operating Reserve

25. What level of POR can be provided?

POR ☐ (MW)

26. For how many hours per year can the service be provided?

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27. Service at low MW outputs
Can the service be provided at 0MW output levels?

Yes ☐ No ☐

Can the service be provided while operating below 20% of MEC?

Yes ☐ No ☐

[2] As per the CRU Decision CRU/18/058
[3] Applicants that are successfully included in a batch through DS3 prioritisation must deliver the service(s) as stated. If an applicant makes a false, misleading or inaccurate declaration in respect of DS3 eligibility requirements, this will be deemed to be an "event of default" under any resulting connection agreement. Applications that are included in a batch on the basis of DS3 prioritisation cannot subsequently change to an alternative technology.

Planning Permission Confirmation[4],[5]

Telephone_____ Email_____

I (Name in Block Capitals) _____

Position: _____

On behalf of (Company Name in Block Capitals as specified in the Applicant Detail of this application form)

_____

Confirm that Planning Permission for the generator units as specified in this application form is in place as follow:

Planning Reference No: _____

Planning Permission Grant Date _____

Planning Reference No: _____

Planning Permission Expiry Date: _____

Extension applied for? **YES ☐ NO ☐**

OR

Confirm that Planning Permission for the generator units as specified in this application is not required for the following reason:

_____

_____

Signed: _____ Date: _____

And I, (Name in Block Capitals), _____

Profession: _____

[4] As per CRU/18/059 if an applicant makes a false, misleading or inaccurate declaration in respect of planning permission requirements, this will be deemed to be an "event of default" under the connection agreement.
[5] As per CRU/18/058 applicants seeking DS3 prioritsation are not required to have planning permission for the purpose of entering into the 2018 batch however it is strongly advised as planning permission is one of the prioritisation criteria in the event of over-subscription as per CRU/18/060.

On behalf of (Company Name in Block Capitals)

_____

warrant that I have conducted the necessary checks and am satisfied that the aforementioned planning permission is in place if applicable.

_____

Date: _____

Solicitor / Planning Consultant Address:

_____

_____

Solicitor[6] / Planning Consultant Number[7]:

_____

Solicitor / Planning Consultant Stamp:

[6] As per the Law Society of Ireland (www.lawsociety.ie)
[7] As per the Irish Planning Institute (www.ipi.ie) or Royal Town Planning Institute (www.rtpiconsultants.co.uk)

Appendix A

Appendix A:

EirGrid's policy on Station Naming.

- Station name must be unique and pronounceable for all stations.
- station name must be geographically accurate and descriptive.
- station name should be as local as possible to provide for future proofing for other stations that may locate in the same area.
- station names should be identified in the following order;
  - town land it is situated in,
  - nearby town land,
  - adjacent landmark, i.e. a mountain,
- Station names should not be named after a company, any individual supplier or manufacturer as this is liable to change
- station name must not start with the letter X as this is reserved for ETSO.

  Note: Station name above applies to both the transmission station name and the users site name.

  EirGrid will also assign a unique 3 character code to each generation unit which are used by various software for modelling purposes and dispatch purposes. This 3 character code is based on the user site name and the number of generators at that site.

Appendix B:

Checklist

- Completed Reduced Criteria - Generation Application Form,
- application fee,
- site boundary, internal network layout and major equipment location on OS map,
- 2 signed Copies of the Confidentiality Agreement (if applicable),
- signed Landowner Consent Confirmation,
- signed Use of Assumed Plant/Data Declaration and
- signed Grid Code Acknowledgement/Compliance Declaration.