

**[Uniform Network Code]**

**Application for a new/revised connection to the National Transmission System**

**Direct Entry Facility Connection to the National Transmission System or;  
Direct Exit Facility Connection to the National Transmission System or;  
Direct Storage Facility Connection to the National Transmission System**

*This Application should not be used to request NTS Entry or NTS Exit capacity entitlement*

**NTS Gas Connection Enquiries  
Customer Services  
Transmission - Commercial  
National Grid House  
Warwick  
CV34 6DA  
Telephone: +44 (0) 1926 65 6444  
Fax: +44 (0) 1926 65 6603**

When completed, please send an electronic copy to: [transmissionconnections@uk.ngrid.com](mailto:transmissionconnections@uk.ngrid.com)

*PLEASE STUDY THE FOLLOWING NOTES BEFORE COMPLETING AND SIGNING THE APPLICATION FORM.*

Please note that certain terms used in the application form are defined in the [UNC] and when this occurs the expressions have capital letters at the beginning of each word and are in bold. If the **Applicant** has any queries regarding this application or any related matters then the **Applicant** is recommended to contact **NGG**<sup>1</sup> where our staff will be pleased to help.

1. **NGG** (National Grid Gas plc) requires the information requested in this application form for the purpose of preparing an **Offer** (an Initial Connection Offer or a Full Connection Offer; the "**Offer**") to enter into an agreement for a connection to, and the use of, our **National Transmission System; the "NTS"**. It is essential that the **Applicant** provides all information requested in the Application form and that every effort should be made to ensure that such information is accurate.
2. Where **NGG** considers that any information provided by the **Applicant** is incomplete or unclear, or further information is required, the **Applicant** will be requested to provide further information or clarification. The provision /clarification of this information may impact on **NGG's** ability to commence preparation of an **Offer**.
3. Should there be any change in the information provided by the **Applicant** then the **Applicant** should immediately inform **NGG** of such a change. Where this is a change in the information provided for Sections xx to xx then the **Applicant** should contact **NGG** to see if such a change can be accommodated as it is unlikely that material changes could be accommodated.  
  
If **NGG** cannot accommodate such a change bearing in mind the timescales within which the **Offer** must be made, then the Application will be processed on the original information although it is open to the **Applicant** to withdraw the application.
4. **NGG** shall charge the **Applicant**, and the **Applicant** shall pay to **NGG**, **NGG's** Engineering Charges in relation to the Application. An Application Fee will be charged by **NGG** in accordance with the **Charging Statements**. No application will be considered until such payment has been received and cleared.
5. The effective date upon which the Application is made shall be the later of the date when **NGG** has cleared the application fee pursuant to paragraph 4 above or the date when **NGG** is reasonably satisfied that the **Applicant** has completed Sections x-x. **NGG** shall notify the **Applicant** of such date.
6. **NGG** will make the **Offer** in accordance with the terms of Paragraph xxx (Revisions) and Paragraph xxx (New NTS Connection Sites) of the UNC.
7. In accordance with [xxx] of the **UNC**, **NGG** might need to disclose details of **Bilateral Agreements** entered into and shall need authorisation from the **Applicant** in respect of this.

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<sup>1</sup> National Grid Gas plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA  
(Telephone No. 01926 656444)

8. If the **Applicant** has not already acceded to the **UNC**, the **Applicant** will be required as part of this Application form to undertake that it will comply with the provisions of the **UNC** for the time being in force. A copy of the **UNC** is available on **The Joint Office of Gas Transporters' Website**<sup>2</sup> and the **Applicant** is advised study this carefully. **Data** submitted pursuant to this application shall be deemed submitted pursuant to the **UNC**.
9. **NGG's Offer** will be based upon its standard form terms of [**NTS Connection Offer**] and the **Charging Statements** issued by **NGG** under Standard Conditions xx of the **Transmission Licence**. The **Applicant** should be cognisant of **NGG's** standard form terms of **Offer** when making this application.
10. The **Applicant** will pay an Application Fee for the actual costs incurred by **NGG** in providing the Offer. The Application Fee is based on an advance of the Transmission Licensee's [Engineering], out of pocket expenses and any costs incurred by National Grid NTS through outsourcing of analytical services that are fulfilled by commercial 3<sup>rd</sup> party design consultancy. The **Applicant** is advised that further information can be obtained from the **Charging Statements** which can be found on **NGG's Website**<sup>3</sup>.
11. Please complete this application form and return it together with the appropriate Application Fee to the Customer Services Manager, National Grid Gas plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA (Telephone No. 01926 654444). In addition to returning the application form to the Customer Services Manager an electronic copy of the application form may be e-mailed to National Grid Gas at: [transmissionconnections@uk.ngrid.com](mailto:transmissionconnections@uk.ngrid.com)
12. For the most up to date contact details applicants are advised to visit **NGG's Website**<sup>5</sup>.

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<sup>2</sup> [www.nationalgrid.com/uk/gas](http://www.nationalgrid.com/uk/gas)

# Application for a new/revised connection to the National Transmission System

PLEASE STUDY THE NOTES BEFORE COMPLETING AND SIGNING THE APPLICATION FORM

## SECTION A. DETAILS OF APPLICANT (in respect of this application)

### 1. Registered Company

Name:.....

Address (of Registered Office in the case of a Company)

.....

.....

.....

Telephone:.....

Company's House Name:.....

Company's House Registered Number:.....

Country of Incorporation (if not UK):.....

Parent Company Name (if applicable):.....

Shipper Short Code (if applicable):.....

### 2. Commercial Contact/Agent to receive information

Name:.....

Title:.....

Address:.....

.....

.....

Email:.....

Telephone:.....

Fax:.....

## Application for a new/revised connection to the National Transmission System

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3. Have you made any applications for connection to the **NTS** which are being processed prior to **Offer** by **NGG** or where an **Offer** has been made that **Offer** has not yet been accepted by you but remains open for acceptance?

If so, are such applications intended as alternatives to this one i.e. you intend to choose which of this or those other applications to proceed with on the basis of the offer made.

Yes – please list the applications.

.....  
.....  
.....

No

(**NGG** will contact you to clarify)

DRAFT

# Application for a new/revised connection to the National Transmission System

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## SECTION B. Type of Application

1. Summary of Application (brief description of the User Gas Facility site to be connected/revised):

.....  
.....  
.....  
.....  
.....

2. NTS Connection – Type of Request:

New NTS Connection  or;  
Revision to existing NTS Connection

*Please tick as appropriate*

3. NTS Connection – User Gas Facility Type:

Entry  or;  
Exit  or;  
Storage  or;  
Combined \*

*\* For example, combined storage facility and exit offtake*

*Please tick as appropriate*

4. First Gas Flow Date(s) Required:

a) For commissioning purposes: dd/mm/yyyy

b) Will you require gas from the NTS for commissioning purposes?:

Yes   
No

*Please tick as appropriate*

c) For commercial purposes: dd/mm/yyyy

*Note: UNC capacity entitlement must be obtained before gas can be utilised for commissioning and commercial purposes. **NGG** will provide information and assistance to the applicant on the UNC capacity entitlement processes.*

# Application for a new/revised connection to the National Transmission System

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## SECTION C. The Proposed NTS Connection Site

1. Please identify (preferably by reference to an extract from an Ordnance Survey Map with the latitude and longitude of the intended location (the “**User Gas Facility**”) which it is desired should be connected to the **NTS** and where the application is in respect of a **new or, an existing NTS Connection Site**. For a new **NTS Connection Site**, please specify the proposed location (Ordnance Survey Map) together with details of access from the nearest main road.

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2. Please provide a plan or plans of the proposed **NTS Connection Site** indicating (so far as you are now able).

.....  
.....  
.....

3. a) Please give details of the intended legal estate in the **NTS Connection Site** (to include leasehold and freehold interests insofar as you are aware).

.....  
.....  
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b) Please provide a plan to scale not less than 1:25000 showing the freehold land over which National Grid will be granted an interest.

4. Who occupies the **NTS Connection Site** insofar as you are aware?

.....  
.....

## Application for a new/revised connection to the National Transmission System

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5. Is space available on the **NTS Connection Site** for working storage and accommodation areas for **NGG** contractors?

.....  
.....  
.....

6. For the **NTS Connection Site**;

a) Please provide details (including copies of any surveys or reports) of the physical nature of land in which you have a legal estate or legal interest; including the nature of the ground and the sub-soil.

.....  
.....  
.....

b) Please provide details of any other known restrictions that may be imposed on National Grid as a consequence of working on the land.

.....  
.....  
.....

c) Please provide indicative information of the storm water drainage, foul sewerage drainage and mains water piping systems to accept connections from the National Grid piping systems.

.....  
.....  
.....

7. Please give details and provide copies of all existing relevant planning and other consents (statutory or otherwise) relating to the **NTS Connection Site** and the **User Gas Facility** site and/or details of any pending applications for the same.

.....  
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.....



## Application for a new/revised connection to the National Transmission System

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8. Is access to, or use of, the **NTS Connection Site** for the purposes of installing, maintaining and operating [**Plant and Apparatus**] subject to any existing restrictions? If so, please give details.

.....  
.....  
.....  
.....

9. If you are aware of them, please identify by reference to a plan (if possible) the owners and (if different) occupiers of the land adjoining the **NTS Connection Site**. To the extent that you have information, please give brief details of the owners' and occupiers' estates and/or interests in such land.

.....  
.....  
.....  
.....

In addition, please provide any information that you might have in relation to planning conditions, planning consents and the title of land that may have an impact on the design and construction requirements of National Grid.

.....  
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.....

## Application for a new/revised connection to the National Transmission System

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### **SECTION D. User Gas Facility site– Operational Parameters**

1. For a new NTS connection, please complete:

Appendix A. User Gas Facility Operational Parameters

Appendix B. Average Gas Composition (mole%) – for a new NTS **entry** connection

2. For a revision to an existing NTS connection, please complete:

Appendix C. User Gas Facility Operational Parameters – revised NTS connection

3. In either case, please refer to:

Appendix D. NTS Connection – Standard Operational Parameters

## Application for a new/revised connection to the National Transmission System

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### SECTION E. PROGRAMME

Please provide a suggested development and construction programme in bar chart form for the work necessary to install the **User** development (not the **NTS connection assets** needing to be installed) indicating the anticipated date when the connection will be required to be made and any other key dates such as submitting requests for capacity entitlement.

If not already included in the above bar chart please provide details of when the **Applicant** expects to be completing the substantive works that lead to the completion of the following phases of the User development or reach the following relevant key milestones below and other additional milestones as necessary (working backwards from expected connection date at 'year 0'). This information is expected to provide the anticipated project overview at the time of application:-

- Local Planning Application Submitted (Town & Country Planning) or Planning Act 2008 (Infrastructure Planning Commission (IPC)) Application Submitted
- Planning Consent Awarded
- Plant Ordered
- Construction Started (site mobilisation)
- Construction Completed

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## CONNECTION APPLICATION

1. We hereby apply for:
  - a. Initial Connection Offer or;
  - b. Full Connection Offer to:
    - i. Connect our User Gas Facility site to the **NTS** at a new **NTS Connection Site**
    - or;
    - ii. Revise our User Gas Facility site that is connected to the **NTS** at an existing **NTS Connection Site**.
  - c. We agree to pay **NGG's** Charges on the terms specified in the **[Notes to the Connection Application]**.
2. We will promptly inform **NGG** of any change in the information given in this application as quickly as practicable after becoming aware of any such change.
3. If we have not already acceded to the **UNC**, we undertake for the purposes of this application to be bound by the terms of the **UNC** from time to time in force and to sign a **UNC [Accession Agreement]**.
4. We authorise **NGG** to release certain information to appropriate 3<sup>rd</sup> party design consultancy providers to secure analytical and engineering services in order to provide the Offer.
6. We confirm that we are applying in the category of an:

**Initial Connection Offer**           

**Full Connection Offer**           

*Please tick as appropriate*

SIGNED BY

.....

For and on behalf of the **Applicant**

Date: .....

## Application for a new/revised connection to the National Transmission System

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### Appendix A. User Gas Facility Operational Parameters - new NTS connection

			Gas Year Commencing: 1 <sup>st</sup> October	Y+1	Y+2	Y+3	Y+4	Y+5	Y+6	Y+7	Y+8	
<b>Exit/Storage (Injection)</b>												
Peak Hourly Energy Flow			<b>GWh/h</b>									
Maximum required Instantaneous NTS offtake rate			<b>Scm/hr</b>									
Maximum required Daily NTS Offtake rate			<b>Scm/day</b>									
Minimum required Offtake pressure <i>(National Grid will confirm if this can be provided)</i>			<b>Barg</b>									
<b>Entry/Storage (Withdrawal)</b>												
Peak Hourly Energy Flow			<b>GWh/h</b>									
Max required Instantaneous delivery rate into the NTS			<b>Scm/hr</b>									
Maximum required daily delivery rate into the NTS			<b>Scm/day</b>									
Maximum anticipated delivery pressure			<b>Barg</b>									
<b>Storage Facility – additional items</b>												
Cushion Gas Requirements e.g. volumes to be injected (minimum and maximum)			<b>Scm/day</b>									
Total maximum usable inventory (stock)			<b>GScm/Bcf</b>									
<b>Other</b>												
Calorific Value (CV) used for energy/volume conversions			<b>MJ/m3</b>									
Own Use Gas requirements			Compression, Preheating, Power Generation									
Ramp Rates – Offtake (O), Delivery (D), Emergency Shut Down (E)			<b>MW/min</b>	<b>O:</b>	<b>D:</b>	<b>E:</b>						

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### Appendix B. Average Gas Composition (mole%) – for a new NTS entry connection

	Gas Year	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8
N2									
CO2									
C1 (methane)									
C2 (ethane)									
C3 (propane)									
C4 (butane)									
C5 (pentane)									
C6 (hexane)									
C7 (heptane)									
C8+ (octane & higher hydrocarbons)									
H2S									
Total Sulphur									
Other									

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### Appendix C. User Gas Facility Operational Parameters – revised NTS connection

		From:	To:
<b>Exit/Storage (Injection)</b>			
Peak Hourly Energy Flow	<b>GWh/h</b>		
Maximum required Instantaneous NTS offtake rate	<b>Scm/hr</b>		
Maximum required Daily NTS Offtake rate	<b>Scm/day</b>		
Minimum required Offtake pressure <i>(National Grid will confirm if this can be provided)</i>	<b>Barg</b>		
<b>Entry/Storage (Withdrawal)</b>			
Peak Hourly Energy Flow	<b>GWh/h</b>		
Max required Instantaneous delivery rate into the NTS	<b>Scm/hr</b>		
Maximum required daily delivery rate into the NTS	<b>Scm/day</b>		
Maximum anticipated delivery pressure	<b>Barg</b>		
<b>Storage Facility – additional items</b>			
Cushion Gas Requirements e.g. volumes to be injected (minimum and maximum)	<b>Scm/day</b>		
Total maximum usable inventory (stock)	<b>GScm/Bcf</b>		
<b>Other</b>			
Calorific Value (CV) used for energy/volume conversions	<b>MJ/m3</b>		
Own Use Gas requirements	Compression, Preheating, Power Generation		
Ramp Rates – Offtake (O), Delivery (D), Emergency Shut Down (E)	<b>MW/minute</b>	<b>From: O: D: E:</b>	
		<b>To: O: D: E:</b>	

Details of any other changes required: .....

.....

.....

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### Appendix D. NTS Connection – Standard Operational Parameters

National Grid will provide the following standardised data-items within a Full Connection Offer as follows:

Entry	Description	Standard
	Maximum Rate of Increase of Flow (Ramp Rate) (MW/min):	50 MW/min assuming a CV of 36.9 MJ/m <sup>3</sup>
	Normal Pressure Range:	45 barg to whatever the MOP is for the connection point (min 75 barg)
	Temperature Range:	0 to 30 degC
<b>Connection Design Ratings</b>		
	Design Pressure:	75 barg
	Maximum Operating Pressure (Barg):	Dependent on NTS Feeder
	Minimum Operating Pressure of NTS at a Storage Connection Point (guaranteed figure by National Grid):	30 barg
	Normal Operating Range of NTS at a Storage Connection Point:	45 barg to whatever the MOP is for the connection point (min 75 barg)
	Safe Operating Limit (Barg):	Dependent on NTS Feeder
	Design Temperature:	0 to 30 degC
	Maximum Operating Temperature:	30 degC
	Minimum Operating Temperature – dependent on NTS Feeder:	0 degC
	Lowest CV Expected:	38.0 MJ/m <sup>3</sup>
	Lowest CV Possible:	36.9 MJ/m <sup>3</sup>
	Flow at Lowest Expected CV (mscm/h)	[Dependent on NTS Feeder]
	Flow at Lowest Possible CV (mscm/h)	[Dependent on NTS Feeder]