**UNIFORM NETWORK CODE**

**APPLICATION FOR A**

**FOR A NEW OR REVISED CONNECTION TO**

**THE NATIONAL TRANSMISSION SYSTEM**

**In respect of;**

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

**Gas Contract Portfolio Team**

**Network Capability & Operations - Gas**

**National Grid Gas**

**National Grid House**

**Warwick**

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**Document Revision History**

|  |  |  |
| --- | --- | --- |
| **Version** | **Date of Issue** | **Notes** |
| V1.0 | July 2012 | Implementation of UNC Modification Proposal 0373 *“Governance of the NTS connections process”* |
| V2.0 | September 2012 | Appendix A and C Correction of Unit from Scm/hr &Scm/day to Scm/hr (x1000) & Scm/day (x1000) |
| V3.0 | October 2012 | Updated Address to Transmission Network Service |
| V4.0 | June 2013 | Updated to include section A Q3 - Invoicing address and purchase order number.  Revision to the box account for Application submission.  Removal of section informing Customer to provide the Fee with the Application, to read provide Application and then National Grid will invoice the Fee. |
| V4.1 | October 2013 | Revised the box account for Application submission.  Correction for Companies House.  Revised Connection Application Fee payment wording |
| V4.2 | February 2016 | Updated Team Name, Address and contact details  Revision to the manager name and box account for Application submission.  Updated Footer |
| V4.3 | January 2018 | Re-formatted  Updated contact details  Updated footer links |

**General Information**

## Please note that certain terms used in this Connection Application are defined in the Uniform Network Code (UNC) and when this occurs the expressions have capital letters at the beginning of each word and are in bold. If the Connection Applicant has any queries regarding this Connection Application or any related matters then the Connection Applicant is recommended to contact National Grid Gas (NGG)[[1]](#footnote-1) where our staff will be pleased to help.

## NGG requires the information requested in this Connection Application 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 Connection Applicant provides all information requested in the Connection Application and that every effort should be made to ensure that such information is accurate.

## Where NGG considers that any information provided by the Connection Applicant is incomplete or unclear, or further information is required, the Connection Applicant will be requested to provide further information or clarification. The provision/clarification of this information may impact on NGG’s ability to commence the preparation of an Offer.

## Should there be any change in the information provided by the Connection Applicant then the Connection Applicant should immediately inform NGG of such a change. NGG will endeavour to accommodate any such a change dependent on the materiality of the change and, at what stage the Connection Application is in the Offer process. For example, in the event that NGG is about to provide the customer with an Offer that required consultancy services in its production, then it is unlikely that NGG would be able accommodate such a change.

## The Connection Applicant will pay a Connection Application Fee for the actual costs incurred by NGG in providing the Offer. The Connection Application Fee is based on an advance of the Transmission Licensee’s out of pocket expenses and any costs incurred by NGG through outsourcing of analytical or engineering services. The Connection Applicant is advised that further information can be obtained from the Connection Charging Statement which can be found on NGG’s Website[[2]](#footnote-2).

## The effective date upon which the Competent Connection Application is made shall be the *later* of the date when NGG has cleared the Connection Application Fee pursuant to Paragraph 4 above or, the date by which NGG is reasonably satisfied that the Connection Applicant has completed the Connection Application. NGG shall notify the Connection Applicant of such date within 5 business days of the offer being competent.

## NGG will make the Offer in accordance with the terms of UNC Section V Paragraph 13 – NTS Connections.

## If the Connection Applicant has not already acceded to the UNC, the Connection Applicant will be required as part of this Connection Application to undertake that it will formally 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[[3]](#footnote-3) and the Connection Applicant is advised to review this carefully. Data submitted pursuant to this Connection Application shall be deemed submitted pursuant to the UNC.

## NGG’s Offer will be based upon its standard form terms and the Charging Statements issued by NGG under Standard Conditions L4B of our Gas Transmission Licence. The Connection Applicant should be congnisant of NGG’s standard form terms of Offer when making this application.

## For the most up to date contact details applicants are advised to visit NGG’s Website.

**SECTION A**

**DETAILS OF APPLICANT (in respect of this application)**

*(All fields are mandatory unless otherwise indicated)*

1. **Registered Company**

Name:…………………………………………………………………………............................................

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

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Companies House Name:………………………………………………………………………………….

Companies House Registered Number:............................................................................................

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

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

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

1. **Commercial Contact/Agent to receive information**

Name:…………………………………………………………………………………………………………

Title:…………………………………………………………………………………………………………...

Address:……………………………………………………………………….............................................

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Email:…………………………………………………………………………………………………………

Telephone:…………………………………………………………………….............................................

Fax:……………………………………………………………………………............................................

1. **Invoice Contact and Address**

Name:…………………………………………………………………………............................................

Title:…………………………………………………………………………………………………………..

Address:………………………………………………………………………............................................

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Email:………………………………………………………………………………………………………..

Telephone:……………………………………………………………………...........................................

Fax:…………………………………………………………………………………………………………..

Customer Purchase Order Number: (if required)……………………………………………………….

**SECTION B**

**TYPE OF CONNECTION APPLICATION**

*(All fields are mandatory unless otherwise indicated)*

## Summary of Connection Application (brief description of the User Gas Facility to be Connected or revised):

## ....………………………………………………………………………………….....................................

## ……………………………………………………………………………………………..........................

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## ……………………………………………………………………………………………..........................

## ……………………………………………………………………………………………..........................

## Category of Connection Offer required:

Initial Connection Offer [ ] or; *Please tick as appropriate*

Full Connection Offer [ ]

## NTS Connection – Type of Request:

## New NTS Connection [ ] or; *Please tick as appropriate*

## Revision to an existing NTS Connection [ ]

## NTS Connection – User Gas Facility Type:

## Entry [ ] or;

## Exit [ ] or; *Please tick as appropriate*

## Storage [ ] or;

## Combined \* [ ]

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

## 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 [ ] *Please tick as appropriate*

## No [ ]

## 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 Connection Applicant on the UNC capacity entitlement processes but it is the Connection Applicant’s responsibility to obtain the required capacity.*

**SECTION C**

**THE PROPOSED NTS CONNECTION SITE**

1. For a new **NTS Connection Site,** please specify the proposed location (Ordnance Survey Map or equivalent), together with details of access from the nearest main road.

(*Mandatory for Initial / Final Connection Offer)*

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1. Please provide a plan or plans (scale not less than 1:25000) of the proposed **NTS Connection Site** indicating the position of all buildings, structures, plant, apparatus and of all services located on the connection site (so far as you are now able).

*(Mandatory for Initial / Final Connection Offer)*

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1. Please give details of the intended legal estate in the **NTS Connection Site** (to include leasehold and freehold interests and in the case of connection sites in Scotland, legal interests and heritable or leasehold interests including servitudes or other real rights) insofar as you are aware.

*(Mandatory for a* ***Full*** *Connection Offer)*

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

*(Mandatory for a* ***Full*** *Connection Offer)*

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1. Is space available on the **NTS Connection Site** for working storage and accommodation areas for **NGG** contractors? If so, please indicate by reference to the plan referred to in Question 2 above, the location of such areas; giving the approximate dimensions of the same.

*(Mandatory for a Full Connection Offer)*

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1. For the **NTS Connection Site;**
2. 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.

*(Optional for an Initial Connection Offer, Mandatory for a Full Connection Offer)*

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

*(Optional for an Initial Connection Offer, Mandatory for a Full Connection Offer)*

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1. 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.

*(Mandatory for a* ***Full*** *Connection Offer)*

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1. Please give details and provide copies of all existing relevant planning and otherconsents (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.

*(Mandatory for a* ***Full*** *Connection Offer)*

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## 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.

*(Mandatory for a* ***Full*** *Connection Offer)*

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**SECTION D**

**USER GAS FACILITY OPERATIONAL PARAMETERS**

*Mandatory for an Initial / Full Connection Offer however, certain fields are mutually exclusive e.g. where the Connection Application relates to an NTS Exit Connection, those fields pertaining to NTS Entry Connections should be ignored.*

## 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 (including storage)

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

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

1. In either case, please refer to:

## Appendix D. NTS Connection – Standard Operational Parameters

**SECTION E**

**PROGRAMME**

*Optional for an Initial Connection Offer; Mandatory for a Full Connection Offer*

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.

If not already included in the above bar chart please provide details of when the **Connection Applicant** expects to be completing the substantive works that lead to the completion of the following phases of the **Connection Applicant’s** 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
* Commissioning start date
* Commercial operation started

**CONNECTION APPLICATION**

## We hereby apply for a Connection Offer to:

## a) Connect a User Gas Facility site to the NTS at a new NTS Connection Site

## O*r;*

## b) Revise the technical parameters of a User Gas Facility that is connected to an existing NTS Connection Site.

## We will promptly inform NGG of any change in the information given in this Connection Application as quickly as practicable after becoming aware of any such change.

## We agree that by submitting this Connection Application to National Grid NTS, we will be bound by the UNC (being the uniform network code prepared by National Grid NTS and other gas transporters pursuant to the terms of their respective gas transporter licences) as follows:

a) Where we (the **“Connection Applicant”**) are a **“User”** within the meaning of the **UNC**, the terms of the **UNC** shall apply to this application, which is a **Connection Application** for the purposes of the **UNC**.

## *Or;*

b) Where we (the **“Connection Applicant”**) are *not* a **“User”** within the meaning of the **UNC**, then the following provisions of the **UNC** (as amended from time to time) are incorporated into this **Connection Application** and shall apply *mutatis mutandis* to this **Connection Application** (provided that references to **“User”** shall be references to the **Connection Applicant**, references to **“Transporter”** shall be references to **National Grid NTS** and references to the **“Code”** or **“Framework Agreement”** are references to this **Connection Application**):

* TPD Section V5 (Confidentiality);
* TPD Section V8 (Liabilities and Indemnities);
* TPD Section V13 (Connection Applications);
* TPD Section Y (Connection Charging Methodology);
* GT Section B3 (Force Majeure); and
* GT Section B6 (General)

## (where “TPD” means the Transportation Principal Document and “GT” means the General Terms document, each forming part of the UNC).

## We authorise NGG to release certain information to 3rd party design consultancy providers to secure analytical and engineering services in order to provide the Offer.

## Once you have completed this Connection Application, please sign and return to:

Gas Contract Portfolio Manager

Gas Network Development

National Grid

National Grid House

Warwick

CV34 6DA

For payment of the appropriate **Connection Application Fee** you may:

* submit the payment prior to, or at the same time, that you submit this application; or
* request that National Grid provides you with an invoice for appropriate payment.

## In addition to returning the signed Connection Application to the Gas Customer Manager an electronic copy of the application form may also be e-mailed to NGG at [box.ukt.customerlifecycle@nationalgrid.com](mailto:box.ukt.customerlifecycle@nationalgrid.com).

***Please note that the UNC timescale obligations (UNC Section V – NTS Connections) for example, formal acknowledgement of this Connection Application, competency validation, acceptance into the Connection Offer process; will be based upon NGG’s receipt of the customer’s signed hardcopy of this Connection Application.***

We agree to pay the relevant **Connection Application Fee** for the category above.

Signed by

………………………………………..

For and on behalf of the **Connection Applicant** as outlined in Section A.1**.**

Date: ................................................

**Appendix A**

**User Gas Facility Operational Parameters - new NTS connection**

*Mandatory for an Initial / Full Connection Offer however, certain fields are mutually exclusive e.g. where the Connection Application relates to an NTS Exit Connection, those fields pertaining to NTS Entry Connections should be ignored.*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Gas Year:** | **Y+1** | | | **Y+2** | | | **Y+3** | | **Y+4** | | **Y+5** | **Y+6** | **Y+7** | **Y+8** |
| **Exit/Storage (Injection)** |  |  | | |  | | |  | |  | |  |  |  |  |
| Peak Hourly Energy Flow | **GWh/h** |  | | |  | | |  | |  | |  |  |  |  |
| Maximum required Instantaneous NTS offtake rate | **Scm/hr (x1000)** |  | | |  | | |  | |  | |  |  |  |  |
| Maximum required Daily NTS Offtake rate | **Scm/day (x1000)** |  | | |  | | |  | |  | |  |  |  |  |
| Minimum required Offtake pressure  *(National Grid will confirm if this can be provided)* | **Barg** |  | | |  | | |  | |  | |  |  |  |  |
| Capacity (commercial) requirement: | **kWh/day** |  | | |  | | |  | |  | |  |  |  |  |
| **Entry/Storage (Withdrawal)** |  | | | | | | | | | | | | | | |
| Peak Hourly Energy Flow | **GWh/h** |  | | |  | | |  | |  | |  |  |  |  |
| Max required Instantaneous delivery rate into the NTS | **Scm/hr (x1000)** |  | | |  | | |  | |  | |  |  |  |  |
| Maximum required daily delivery rate into the NTS | **Scm/day (x1000)** |  | | |  | | |  | |  | |  |  |  |  |
| Maximum anticipated delivery pressure | **Barg** |  | | | | | | | | | | | | | |
| Capacity (commercial) requirement: | **kWh/day** |  | | | | | | | | | | | | | |
| **Storage Facility – additional items** | | | | | | | | | | | | | | | |
| Cushion Gas Requirements e.g. volumes to be injected (minimum and maximum) | **Scm/day (x1000)** |  | | |  | | |  | |  | |  |  |  |  |
| Total maximum usable inventory (stock) | **GScm/Bcf** |  | | |  | | |  | |  | |  |  |  |  |
| **Other** | | | | | | | | | | | | | | | |
| Calorific Value (CV) used for energy/volume conversions | **MJ/m3** |  | | | |
| Own Use Gas requirements | Compression, Preheating,  Power Generation |  | | | |
| Ramp Rates – Offtake (**O**), Delivery (**D**), Emergency Shut Down (**E**) | **MW/min** | O: |  | D: | |  | E: | |  | |

**Appendix B**

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

*Mandatory for an Initial / Full Connection Offer however, certain fields are mutually exclusive e.g. where the Connection Application relates to an NTS Exit Connection, those fields pertaining to NTS Entry Connections should be ignored.*

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **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 Sulpher | |  |  |  |  |  |  |  |  |
| Other | |  |  |  |  |  |  |  |  |

**Appendix C**

**User Gas Facility Operational Parameters – revised NTS connection**

*Mandatory for an Initial / Full Connection Offer however, certain fields are mutually exclusive e.g. where the Connection Application relates to an NTS Exit Connection, those fields pertaining to NTS Entry Connections should be ignored.*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | |  | **From:** | | **To:** | |
| **Exit/Storage (Injection)** | |  |  | |  | |
| Peak Hourly Energy Flow | | **GWh/h** |  | |  | |
| Maximum required Instantaneous NTS offtake rate | | **Scm/hr (x1000)** |  | |  | |
| Maximum required Daily NTS Offtake rate | | **Scm/day (x1000)** |  | |  | |
| Minimum required Offtake pressure *(National Grid will confirm if this can be provided)* | | **Barg** |  | |  | |
| Capacity (commercial) requirement: | | **kWh/day** |  | |  | |
| **Entry/Storage (Withdrawal)** | |  |  | |  | |
| Peak Hourly Energy Flow | | **GWh/h** |  | |  | |
| Max required Instantaneous delivery rate into the NTS | | **Scm/hr (x1000)** |  | |  | |
| Maximum required daily delivery rate into the NTS | | **Scm/day (x1000)** |  | |  | |
| Maximum anticipated delivery pressure | | **Barg** |  | |  | |
| Capacity (commercial) requirement: | | **kWh/day** |  | |  | |
| **Storage Facility – additional items** | | | | | | |
| Cushion Gas Requirements e.g. volumes to be injected (minimum and maximum) | | **Scm/day (x1000)** |  | |  | |
| Total maximum usable inventory (stock) | | **GScm/Bcf** |  | |  | |
| **Other** | | | | | | |
| Calorific Value (CV) used for energy/volume conversions | **MJ/m3** | |  | | | |
| Own Use Gas requirements | Compression, Preheating,  Power Generation | |  | | | |
| Ramp Rates – Offtake (**O**), Delivery (**D**), Emergency Shut Down (**E**) | **MW/minute From:** | | **O:** |  | **D:** |  | **E:** |  |
| **MW/minute To:** | | **O:** |  | **D:** |  | **E:** |  |

Please detail 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:

|  |  |  |
| --- | --- | --- |
|  | | |
| **Description** | | **Standard** |
|  | | |
|  | Maximum Rate of Increase of Flow (Ramp Rate) (MW/min): | **50 MW/min assuming a CV of 36.9 MJ/m³** |
|  | Normal Pressure Range: | **45 barg to whatever the MOP is for the connection point (min 75 barg)** |
|  | Temperature Range: | **0 to 30 degC** |
|  | | |
| **Connection Design Ratings** | | |
|  | | |
|  | 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): | **25 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/m³** |
|  | Lowest CV Possible: | **36.9 MJ/m³** |
|  | Flow at Lowest Expected CV (mscm/h) | [Dependent on NTS Feeder] |
|  | Flow at Lowest Possible CV (mscm/h) | [Dependent on NTS Feeder] |

1. National Grid Gas plc, Warwick Technology Park, Gallows Hill, Warwick, CV34 6DA [↑](#footnote-ref-1)
2. <https://www.nationalgrid.com/uk/gas/connections/applying-connection> [↑](#footnote-ref-2)
3. <http://www.gasgovernance.co.uk/> [↑](#footnote-ref-3)