Issue	Revision

# The Exit Capacity Release Methodology Statement

Effective from 1 April 2007 (for release of NTS Exit Capacity for use from 1 October 2010)



#### **Foreward**

{tc \11 "About this Document}

This document describes the methodology that National Grid Gas plc's NTS business ("National Grid") will utilise to determine whether to release NTS Exit Capacity to Users under the enduring NTS offtake arrangements. In particular, it defines:

- whether National Grid will accept applications for increases and decreases to Prevailing NTS Exit (Flat) Capacity from Users received through processes described in the Uniform Network Code, and thereby the level of financial commitment required from Users:
- the NTS Exit Zones and NTS Exit Areas, and associated limits, applicable in respect of the release of NTS Exit (Flexibility) Capacity to Users under annual and daily application processes as described under the Uniform Network Code.

This document has been published by National Grid in accordance with [Special Condition C18] of National Grid's NTS GT licence. National Grid believes the content is consistent with its duties under the Gas Act and is consistent with the Standard Conditions, Standard Special Conditions and Special Conditions of its GT Licence.

This Statement of the Exit Capacity Release Methodology ("the Enduring Statement of the Exit Capacity Release Methodology") has been developed to support implementation of the enduring NTS offtake arrangements and is effective from 1 April 2007 for application of exit capacity for use from 1 October 2010 onwards.

A separate Statement of the Exit Capacity Release Methodology ("the Interim and Transitional Statement of the Exit Capacity Release Methodology") covers the release of exit capacity for use over the period 1 April 07 to 30 September 2010.

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#### Introduction

#### **Purpose of the Methodology Statement**

- This Methodology Statement has been produced to meet the requirements of [Special Condition C18] of National Grid's GT Licence in respect of the release of NTS Exit Capacity under the enduring NTS offtake arrangements i.e. for exit capacity utilisation from 1 October 2010. National Grid believes the content is consistent with its duties under the Gas Act and is consistent with the Standard Conditions, Standard Special Conditions and Special Conditions of its GT Licence.
- The methodology described will be used by National Grid when determining whether to accept applications for increases and decreases in Prevailing NTS Exit (Flat) Capacity (as defined under the Uniform Network Code), and whether it would be appropriate to make incremental NTS Exit (Flat) Capacity available to Users of its system. In this context, incremental NTS Exit (Flat) Capacity means capacity in excess of the quantity of obligated NTS Exit (Flat) Capacity determined in accordance with [] of National Grid's GT Licence.
- National Grid will only allocate incremental NTS Exit (Flat) Capacity where it is able to physically respond to any signal that additional investment is required, consistent with any obligation it may have under its GT Licence in respect of the default lead times associated with investment in the NTS.
- 4 Consistent with National Grid's GT Licence and Uniform Network Code, exit capacity is a firm commercial right that may be offered on a daily basis or multiples thereof: it does not reflect a commitment or obligation upon National Grid to undertake any investment on its network.

#### **National Grid's Licence Obligations**

- Under the enduring NTS offtake arrangements, new and existing Users of the NTS will be able to purchase NTS Exit Capacity for use 3 Gas Years ahead at administered prices, and any capacity requests will be considered against the provisions of National Grid's statutory licence obligations.
- Those objectives applicable to this statement set out in the Gas Act and the Standard, Standard Special and Special Conditions of National Grid's GT Licence in respect of the NTS are that the release of NTS Exit Capacity must be:
  - Conducted on a non-discriminatory basis (see Standard Special Condition A6);
  - Conducted on an efficient and economical basis (see section 9(1) Gas Act 1986, and Special Condition C5); and
  - Be consistent with the safe operation of the licensee's pipe-line system (see Standard Special Condition A17 and Standard Special Condition A9).
- 7 National Grid is also required by the Gas Act:
  - to comply, as far as is economical to do so, with any reasonable request for it to connect to any premises to its system and convey gas by means of that system to any premises (Section 9(1)(b));
  - to avoid any undue preference in connections or the terms under which it undertakes the conveyance of gas through its system (Section 9(2)).

Standard Special Condition A9 of the GT Licence requires National Grid (subject to its statutory duty under Section 9 of the Gas Act) to plan and develop its pipeline system so that it will meet, after operational measures such as storage and contractual interruptions in the supply of gas, the peak aggregate daily demand for conveyance for supply to premises which is likely to be exceeded in only one in 20 years, having regard to historical weather data derived from at least the previous 50 years. Under the enduring regime, National Grid will use signals provided by Users for additional capacity, backed by an appropriate financial commitment, to inform its investments plans and thereby meet Standard Special Condition A9. However, where National Grid considers that there is a risk that it may not be able to meet this obligation on this basis, it may seek approval from the Gas and Electricity Markets Authority ("Authority") to release incremental NTS Exit Capacity.

#### Remuneration for Release of Obligated Incremental NTS Exit (Flat) Capacity

National Grid has developed this methodology in good faith reflecting its understanding of the statutory obligations attached to both National Grid and the Gas and Electricity Markets Authority (the "Authority"), and its understanding of the regulatory framework which ensures continued remuneration of properly incurred expenditure on regulated assets. For the avoidance of doubt, National Grid believes that any release of obligated incremental NTS Exit (Flat) Capacity is subject to approval by the Authority, whether explicitly in response to a specific proposal or implicitly through application of the methodology specified in this statement. National Grid believes that, by giving that approval, the Authority accepts that the implications of applying this methodology, including subsequent investment undertaken by National Grid with a view to physically meeting the demand for obligated NTS Exit (Flat) Capacity, should be reflected in subsequent regulatory decisions, notably regarding proposals to modify the price controls and incentives defined within National Grid's GT Licence. In this context, National Grid believes that any such approval should be regarded as establishing an expectation that associated investment should be reflected in its assumed regulatory asset value<sup>1</sup>; that any proposals for revising the quantities of baseline NTS Exit (Flat) Capacity should be demonstrably consistent with the NTS Exit (Flat) Capacity incentive structure (such that the terms on which capacity may have previously been released will not be significantly altered for either National Grid or Users); and that proposals for revising the NTS Exit (Flat) Capacity buy-back incentive parameters should demonstrably allow for the level of incremental capacity released. National Grid NTS believes this is consistent with the Authority's duty to ensure National Grid is able to finance its functions.

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<sup>1</sup> National Grid NTS believes that, as with the approach to price controls to date, Ofgem would wish to assure itself that any such capital expenditure had been efficiently incurred.

## Section 1: Release of NTS Exit (Flat) Capacity

#### Introduction

- 1.1 The information for considering whether or not National Grid will release incremental exit capacity will be based on requests from Users for increases and decreases in Prevailing NTS Exit (Flat) Capacity in accordance with relevant processes as set out under the Uniform Network Code.
- 1.2 In accordance with the Uniform Network Code requirements introduced by Modification Proposal 0116 "Reform of the NTS Offtake Arrangements", Users will be invited to indicate the quantity of additional Prevailing NTS Exit (Flat) Capacity they wish to acquire (if any) at each NTS Exit Point at the Annual Application Window in July of Gas Year Y for use from Gas Year Y+4 enwards. Accordingly, Users will have the opportunity to purchase additional quantities of Prevailing NTS Exit (Flat) Capacity, consistent with their willingness to pay and satisfaction of the 'strength of signal test' as set out below ("Increases").
- 1.3 Users will be invited to indicate the quantity of Prevailing NTS Exit (Flat) Capacity they wish to reduce (if any) at each NTS Exit Point at the Annual Application Window subject to a reduction notice period as described below ("Decreases").
- 1.4 In addition, Users will be able to bid for annual NTS Exit (Flat) Capacity in August of Gas Year Y for Gas Years Y+1, Y+2 and Y+3 and daily NTS Exit (Flat) Capacity through auctions as described in the UNC.

#### **OPTION 1. Commitment Based on Prevailing Prices**

#### **Increases**

- National Grid will accept User applications, subject to appropriate credit checks, made at the Annual Application Window in Gas Year Y to increase its Prevailing NTS Exit (Flat) Capacity to an amount "Q" on the basis that the User will pay the relevant NTS Exit Capacity charges for the amount Q for each Gas Day over the period Gas Year Y+4 to Y+7 (inclusive).
- 1.6 The NTS Exit Capacity charges for use of the system for any Gas Day will be published in the National Grid Transportation Statement (in accordance with the Gas Transmission Transportation Charging Methodology Statement).

#### **Decreases**

#### {tc \l2 "Connection/Use of System Boundary}

- 1.7 In the event that a User wishes to reduce its Prevailing NTS Exit (Flat) Capacity holdings, then it must provide the appropriate amount of notice (the "Reduction Notice Period") by 15<sup>th</sup> July during an Annual Application Window.
- 1.8 The Reduction Notice Period will be such that the Gas Year with effect from which a reduction of Prevailing NTS Exit (Flat) Capacity is effective may not be earlier than the later of:
  - $\bullet$  Gas Year  $Y_{\text{N}}\text{+2}$  where Gas Year  $Y_{\text{N}}$  is the Gas Year in which the notice was provided; and

 Gas Year Y<sub>A</sub>+4 where Gas Year Y<sub>A</sub> is the Gas Year with effect from which the User was most recently allocated Prevailing NTS Exit (Flat) Capacity at the NTS Exit Point.

#### 1.9 This means that:

- a User needs to provide at least 14 months notice of a reduction in Prevailing NTS Exit (Flat) Capacity where any associated commitment has been met (e.g. if a User applied to reduce its Initial Prevailing NTS Exit (Flat) Capacity holdings in July 2010, then this could only be effective from October 2011 at the earliest); and
- where a User has requested additional Prevailing NTS Exit (Flat) Capacity, the
  User must meet the associated commitment before reductions may be effective
  (e.g. in the Annual Application Window of July 2007, a User requests 10 units of
  Capacity from Gas Years 2010/11 onwards. It would be registered Capacity for
  the 4 Gas Years 2010/11 to 2013/14, inclusive. In July 2008, if the User applies
  to reduce 5 units of this Capacity, then such a reduction could only be effective
  from October 2014 at the earliest).

#### **OPTION 2. Commitment Based on Price at Time of Application**

#### **Increases**

- 1.10 National Grid will accept User applications, subject to appropriate credit checks, made at the Annual Application Window in Gas Year Y to increase its Prevailing NTS Exit (Flat) Capacity to an amount "Q" on the basis that the User will:
  - pay to National Grid at least the User Commitment Amount: and/or
  - hold the amount Q for each Gas Day over the period Gas Year Y+4 to Y+7 (inclusive).
- 1.11 The User Commitment Amount will be determined as follows:

User Commitment = P x Q x F x 365

where

P = relevant prevailing NTS Exit Capacity charge at the time of application (p/kWh) Q = total amount of Prevailing NTS Exit (Flat) Capacity held by the User (kWh) F = factor of 4

1.12 The NTS Exit Capacity charges for use of the system for any Gas Day will be published in the National Grid Transportation Statement (in accordance with the Gas Transmission Transportation Charging Methodology Statement).

#### **Decreases**

#### {tc \l2 "Connection/Use of System Boundary}

- 1.13 In the event that a User wishes to reduce its Prevailing NTS Exit (Flat) Capacity holdings, then it must provide the appropriate amount of notice (the "Reduction Notice Period") by 15<sup>th</sup> July during an Annual Application Window.
- 1.14 The Reduction Notice Period will be such that the Gas Year with effect from which a reduction of Prevailing NTS Exit (Flat) Capacity is effective may not be earlier than the later of:

- Gas Year  $Y_N+2$  where Gas Year  $Y_N$  is the Gas Year in which the notice was provided; and
- Gas Year  $Y_A + \alpha$  where Gas Year  $Y_A$  is the Gas Year with effect from which the User was most recently allocated Prevailing NTS Exit (Flat) Capacity at the NTS Exit Point and  $\alpha$  is the lesser of:
  - > 4; or
  - number of whole Gas Years (1, 2 or 3) over which period National Grid NTS has recovered via NTS Exit Capacity charges from the User an amount that equals or exceeds its User Commitment Amount.

#### 1.15 This means that:

- a User needs to provide at least 14 months notice of a reduction in Prevailing NTS Exit (Flat) Capacity where any associated commitment has been met (e.g. if a User applied to reduce its Initial Prevailing NTS Exit (Flat) Capacity holdings in July 2010, then this could only be effective from October 2011 at the earliest); and
- where a User has requested additional Prevailing NTS Exit (Flat) Capacity, the User must meet the associated commitment before reductions may be effective, which is based on paying a maximum of the User Commitment Amount (e.g. in the Annual Application Window of July 2007, a User requests 10 units of Capacity from Gas Years 2010/11 onwards. It would be registered Capacity for the 4 Gas Years 2010/11 to 2013/14, inclusive, but after 2 years it has paid the User Commitment Amount due to the NTS Exit Capacity Charges doubling from that in place at the time of application. In July 2008, if the User applies to reduce 5 units of this Capacity, then such a reduction could be effective from October 2012).

## Section 2: Release of NTS Exit (Flexibility) Capacity

#### **NTS Exit Zones and NTS Exit Areas**

- 2.1 Under the Uniform Network Code, Users are able to register NTS Exit (Flexibility) Capacity for an NTS Exit Zone. These NTS Exit Zones are comprised of one or more NTS Exit Point and each such NTS Exit Zone is contained with an NTS Exit Area, as defined in Appendix 1.
- 2.2 Appendix 1 contains the NTS Exit Zone and NTS Exit Area mapping for both existing and potential new NTS Exit Points that are known by National Grid. When new potential NTS Exit Points are brought to National Grid's attention, National Grid will publish, upon request, the relevant NTS Exit Zone and NTS Exit Area for such NTS Exit Point.
- 2.3 In the event that National Grid requires to change the attribution of an NTS Exit Point to an NTS Exit Zone and an NTS Exit Zone to an NTS Exit Area, as defined in Appendix 1, it will provide at least 5 years notice of such a change, consistent with the timescales over which Users can register NTS Exit (Flat) Capacity.

#### National, Area and Zonal Limits

- 2.4 National Grid is required to make available an obligated level of NTS Exit (Flexibility) Capacity in accordance with paragraph [] of its GT Licence.
- 2.5 Users are able bid for such levels of capacity via annual auctions held in each Gas Year Y for Gas Years Y+1 to Y+5 (inclusive) and via a daily application process, subject to limits in respect of the geographical allocation of the capacity over the NTS. This is defined by limits on each NTS Exit Zone and NTS Exit Area as set out in Appendix 2.

## **APPENDIX 1. NTS Exit Zones and NTS Exit Areas**

In accordance with UNC TPD Section A, each NTS Exit Point is associated with one of 17 NTS Exit Zones (0 to 16) and one of 4 NTS Exit Areas (North, East, Central, West) as defined in the table below.

Count	Offtake Point	Type Of Offtake NTS Exit Zone		Area	
1	Aberdeen	GDN (SC)	0	North	
2	Balgray	GDN (SC)	0	North	
3 4	Bathgate	GDN (SC)	0	North	
4	Blackness (BP Grangemouth)	DC	0	North	
5	Careston	GDN (SC)	0	North	
6	Drum	GDN (SC)	0	North	
7	Glenmavis Max Refill	STORAGE SITE	0	North	
8	Glenmavis	GDN (SC)	0	North	
9	Gowkhall (Longannet)	DC	0	North	
10	Kinknockie	GDN (SC)	0	North	
11	Lauderhill	GDN (SC)	0	North	
12	Mosside	GDN (SC)	0	North	
13	Rollswood		0	North	
14	St.Fergus (Peterhead)	DC	0	North	
15	Pitcairngreen	GDN (SC)	0	North	
16	StFergus	GDN (SC)	0	North	
17	Armadale	GDN (SC)	1	North	
18	Broxburn	GDN (SC)	1	North	
19	Coldstream	GDN (NO)	1	North	
20	Humbleton	GDN (NO)	1	North	
21	Hume	GDN (SC) 1		North North	
22	Keld		GDN (NO) 1		
23	Langholm	GDN (SC) 1		North	
24	Lockerbie	GDN (SC)	1	North	
25	Melkinthorpe	GDN (NO)	1	North	
26	Moffat (Irish Interconnector)	INTERCONNECTOR	1	North	
27	Netherhowcleugh	GDN (SC)	1	North	
28	Saltwick Pressure Controlled	GDN (NO)	1	North	
29	Saltwick Volumetric Controlled	GDN (NO) 1		North	
30	Soutra	GDN (SC)	1	North	
31	Stranraer	GDN (SC)	1	North	
32	Towlaw	GDN (NO)	1	North	
33	Wetheral	GDN (NO)	1	North	
34	Bishop Auckland	GDN (NO)	2	North	
35	Corbridge	GDN (NO)	2	North	
36	Guyzance	GDN (NO)	2	North	
37	Garton Max Refill	STORAGE SITE 3		North	
38	Asselby	GDN (NE)	3	North	

39	Baldersby	GDN (NE)	3	North
40	Teesside (BASF,	DC	3	North
	aka BASF			
	Teesside)			
41	Hatfield Moor Max	STORAGE SITE	3	North
	Refill			
42	Teesside Hydrogen	DC	3	North
43	Saltend BPHP	DC	3	North
44	British Sugar York		3	North
45	Burley Bank	GDN (NE)	3	North
46	Cowpen Bewley	GDN (NO)	3	North
47	Elton	GDN (NO)	3	North
48	Enron Billingham	DC	3	North
49	Ganstead	GDN (NE)	3	North
50	Goole (Guardian	DC	3	North
	Glass)			
51	Hornsea Max Refill	STORAGE SITE	3	North
52	Billingham ICI	DC	3	North
	(Terra Billingham)			
53	Little Burdon	GDN (NO)	3	North
54	Pannal	GDN (NE)	3	North
55	Paull	GDN (NE)	3	North
56	PhillipsTeesPS	DC	3	North
57	Pickering	GDN (NE)	3	North
58	Rawcliffe	GDN (NE)	3	North
59	Rough Max Refill	STORAGE SITE	3	North
60	Rosehill (Saltend	DC 3		North
	Power Station)			
61	Thrintoft	GDN (NO)	3	North
62	Towton	GDN (NE)	3	North
63	Zeneca (ICI Avecia,	i, DC 3		North
	aka 'Zenica')			
64	Ferny Knoll (AM	DC 4		North
	Paper)			
65	Sandy lane	DC	4	North
	(Blackburn CHP,			
	aka Sappi Paper			
	Mill)	CDNI (NIM)	4	Nicoth
66 67	Blackrod Shotwick	GDN (NW)	4	North North
67		DC	4	NOTE
	(Bridgewater			
68	Paper) Burton Point	DC	4	North
00	(Connahs Quay)	ЪС	7	NOLLI
69	Deeside	DC	4	North
70	Hollingsgreen	DC	4	North
10	(Hays Chemicals)		_ <del>_</del>	1401111
71	Holmes Chapel	GDN (NW)	4	North
72	Weston Point	DC	4	North
'-	(Castner Kelner,		r	1101111
	aka ICI Runcorn)			
73	Lupton	GDN (NW)	4	North
74	Mickle Trafford	GDN (NW)	4	North
	•			

	D () ( 14	07004050175	_	N. (1
75	Partington Max Refill	STORAGE SITE	4	North
76	Partington	GDN (NW)	4	North
77	Weston Point (Rocksavage)	GDN (NW) DC	4	North
78	Roosecote	DC	4	North
	(Roosecote Power	20		1101111
	` Station)			
79	Samlesbury	GDN (NW)	4	North
80	Sellafield Power	DC	4	North
	Station			
81	Shellstar (aka	DC	4	North
	Kemira not			
00	KemiraCHP)	D.O.		NI di
82	Harwarden	DC	4	North
	(Shotton, aka			
83	Shotton Paper) Warburton	GDN (NW)	4	North
84	Weston Point	GDN (NW)	4	North
85	Pickmere	DC DC	4	North
00	(Winnington Power,	В	_	HOITH
	aka Brunner Mond)			
86	Blaby	GDN (EM)	5	Central
87	Caldecott	GDN (EM)	5	Central
88	Caldecott (Corby	DC	5	Central
	Power Station)			
89	Drakelow	DC	5	Central
90	Market Harborough	GDN (EM)	5	Central
91	Peterborough	GDN (EA)	5	Central
	Eye/Tee			_
92	Peterborough	DC 5		Central
	(Power Station)	0501/510		0 1 1
93	Silk Willoughby	GDN (EM)	5	Central
94	Staythorpe PH1	DC	5	Central
95	Staythorpe PH2	DC CDN (FM)	5	Central
96	Tur Langton	GDN (EM)	5	Central
97 98	Evesham Leamington	GDN (SW) GDN (WM)	6 6	Central Central
99	Lower Quinton	GDN (WM)	6	Central
100	Rolls Royce Ansty	GDN (WW)	6	Central
101	Rugby	GDN (WM)	6	Central
102	Stratford-upon-	GDN (WM)	6	Central
102	Avon	ODIA (VVIVI)		Contian
103	Aylesbeare	GDN (SW) 7		West
104	Barton Stacey Max			West
	Refill			
105	Braishfield A	GDN (SO) 7		West
106	Braishfield B	GDN (SO) 7		West
107	Coffinswell	GDN (SW)	7	West
108	Didcot A	DC	7	West
109	Didcot B	DC 7		West
110	Ilchester	GDN (SW) 7		West
111	Ipsden	GDN (SO)	7	West

112	lpsden 2	GDN (SO)	7	West		
113	Langage Phase1	DC	7	West		
114	Langage Phase2	DC	7 7	West		
115	Lyneham	GDN (SW)	West			
116	Kenn	GDN (SW)	7	West		
117	Mappowder	GDN (SO)	7	West		
118	Marchwood	DC	7	West		
119	Great Wilbraham	GDN (EA)	8	East		
120	Peters Green	GDN (NT)	8	East		
121	Peters Green	GDN (NT)	8	East		
	South Mimms					
122	Roudham Heath	GDN (EA)	8	East		
123	Royston	GDN (EA)	8	East		
124	Whitwell	GDN (EA)	8	East		
125	Barking (Horndon)	DC	9	East		
126	British Sugar	DC	9	East		
	Cantley					
127	Stanford Le Hope	DC	9	East		
	(Coryton)					
128	Middle Stoke	DC	9	East		
	(Damhead Creek,					
	aka Kingsnorth					
	Power Station)			East		
129	Farningham	GDN (SE)	SDN (SE) 9			
130	Grain	DC	9	East		
131	Bacton (Great	DC	9	East		
	Yarmouth)					
132	Horndon	GDN (NT)	9	East		
133	Luxborough Lane	GDN (NT)	9	East		
134	Medway (aka Isle	DC	9	East		
	of Grain Power					
	Station, Not Grain					
405	Power)	CDN (CE)	0	Foot		
135	Shorne	GDN (SE)	9	East		
136	Tatsfield	GDN (SE)	9	East		
137	Tilbury CCGT	ODNI (EA)	9	East		
138	reiverton	GDN (EA)	9	East		
139	Cambridge	GDN (EA)	10	East		
140	Epping Green	DC	10	East		
	(Enfield Energy,					
4.44	aka Brimsdown)	DO 10		East		
141	St.Neots (Little	DC	OC 10			
140	Barford)	CDN (EA)		East		
142	Matching Green	GDN (EA) 10		East		
143	Ryehouse	DC CDN (EM)	10 11	East		
144	Blyborough	` '		Central		
145	Blyborough (Brigg)	DC	11	Central		
146	Blyborough	DC 11 Ce		Central		
147	(Cottam)	DC.	11	Control		
14/	Thornton Curtis (Humber Refinery,	DC	11	Central		
	aka Immingham)					
148	Eastoft (Keadby	DC 11 Cel		Central		
140	Lasion (Neauby	DC	1.1	Ochla		

149		Blackstart)			
150	149	,	DC	11	Central
151		, , , ,			
152		<u> </u>			
(DN)					
(Killingholm A)		(DN)	` ,		
154	153		DC	11	Central
155	154	Thornton Curtis	DC	11	Central
156	155		GDN (FM)	11	Central
West Burton CCGT		Traiossy	` ,		
157		West Burton CCGT	20		00//
158	157		GDN (EM)	12	Central
159				12	
160					
161					
162					
163					
164					
165					
Max Refill   166   Maelor   GDN (WN)   12   Central   167   Malpas   GDN (NW)   12   Central   168   Milwich   GDN (WM)   12   Central   169   Shustoke   GDN (WM)   12   Central   170   Bacton (IUK)   INTERCONNECTOR   13   East   171   Bacton   GDN (EA)   13   East   172   Brisley   GDN (EA)   13   East   172   Brisley   GDN (EA)   13   East   173   Saddle Bow (Kings   DC   13   East   174   West Winch   GDN (EA)   13   East   175   Avonmouth max   STORAGE SITE   14   West   Refill   176   Tonna (Baglan   Bay)   DC   14   West   178   Dowlais   GDN (WS)   14   West   179   Dyffryn Clydach   GDN (WS)   14   West   180   Dynevor Arms Max   Refill   Refill   181   Easton Grey   GDN (SW)   14   West   182   Fiddington   GDN (SW)   14   West   183   Gilwern   GDN (WS)   14   West   184   Terra Nitrogen (aka   ICI/Terra   Severnside)   Severnside)   185   Littleton Drew   GDN (SW)   14   West   186   Pembroke   GDN (SW)   14   West   187   Pucklechurch   GDN (SW)   14   West   187   Pucklechurch   GDN (SW)   14   West   188   Ross   GDN (SW)   14   West   Ross   GDN (SW)   14   West   Ross   GDN (SW)   14   West   Ross   GDN (SW)   Ross   GDN (SW)   Ross   GDN (SW)   Ross   GDN (SW)   Ross   GDN (SW)					
166	100		OTOTOTOL SITE	12	Ochtiai
167	166		GDN (WN)	12	Central
168         Milwich         GDN (WM)         12         Central           169         Shustoke         GDN (WM)         12         Central           170         Bacton (IUK)         INTERCONNECTOR         13         East           171         Bacton         GDN (EA)         13         East           172         Brisley         GDN (EA)         13         East           173         Saddle Bow (Kings Lynn)         DC         13         East           173         Saddle Bow (Kings Lynn)         DC         13         East           174         West Winch         GDN (EA)         13         East           175         Avonmouth max Refill         STORAGE SITE         14         West           176         Tonna (Baglan Bay)         DC         14         West           177         Cirencester         GDN (SW)         14         West           178         Dowlais         GDN (WS)         14         West           179         Dyffryn Clydach         GDN (WS)         14         West           180         Dynevor Arms Max Refill         STORAGE SITE         14         West           181         Easton Grey         GDN (SW)					
169			_ ` _ /		
170         Bacton (IUK)         INTERCONNECTOR         13         East           171         Bacton         GDN (EA)         13         East           172         Brisley         GDN (EA)         13         East           173         Saddle Bow (Kings Lynn)         DC         13         East           174         West Winch         GDN (EA)         13         East           175         Avonmouth max Refill         STORAGE SITE         14         West           176         Tonna (Baglan Bay)         DC         14         West           177         Cirencester         GDN (SW)         14         West           178         Dowlais         GDN (WS)         14         West           179         Dyffryn Clydach         GDN (WS)         14         West           180         Dynevor Arms Max Refill         STORAGE SITE         14         West           181         Easton Grey         GDN (SW)         14         West           182         Fiddington         GDN (SW)         14         West           183         Gilwern         GDN (WS)         14         West           184         Terra Nitrogen (aka ICI/Terra Severnside)         <					
171         Bacton         GDN (EA)         13         East           172         Brisley         GDN (EA)         13         East           173         Saddle Bow (Kings Lynn)         DC         13         East           174         West Winch         GDN (EA)         13         East           175         Avonmouth max Refill         STORAGE SITE         14         West           176         Tonna (Baglan Bay)         DC         14         West           177         Cirencester         GDN (SW)         14         West           178         Dowlais         GDN (WS)         14         West           179         Dyffryn Clydach         GDN (WS)         14         West           180         Dynevor Arms Max Refill         STORAGE SITE         14         West           181         Easton Grey         GDN (SW)         14         West           181         Easton Grey         GDN (SW)         14         West           182         Fiddington         GDN (SW)         14         West           183         Gilwern         GDN (WS)         14         West           184         Terra Nitrogen (aka Ici/Terra Severnside)         DC </td <td></td> <td></td> <td colspan="2"></td> <td></td>					
172         Brisley         GDN (EA)         13         East           173         Saddle Bow (Kings Lynn)         DC         13         East           174         West Winch         GDN (EA)         13         East           175         Avonmouth max Refill         STORAGE SITE         14         West           176         Tonna (Baglan Bay)         DC         14         West           177         Cirencester         GDN (SW)         14         West           178         Dowlais         GDN (WS)         14         West           179         Dyffryn Clydach         GDN (WS)         14         West           180         Dynevor Arms Max Refill         STORAGE SITE         14         West           181         Easton Grey         GDN (SW)         14         West           182         Fiddington         GDN (SW)         14         West           183         Gilwern         GDN (WS)         14         West           184         Terra Nitrogen (aka ICI/Terra Severnside)         DC         14         West           185         Littleton Drew         GDN (SW)         14         West           186         Pembroke         14 <td></td> <td></td> <td colspan="2"></td> <td></td>					
173         Saddle Bow (Kings Lynn)         DC         13         East           174         West Winch         GDN (EA)         13         East           175         Avonmouth max Refill         STORAGE SITE         14         West           176         Tonna (Baglan Bay)         DC         14         West           177         Cirencester         GDN (SW)         14         West           178         Dowlais         GDN (WS)         14         West           179         Dyffryn Clydach         GDN (WS)         14         West           180         Dynevor Arms Max Refill         STORAGE SITE         14         West           181         Easton Grey         GDN (SW)         14         West           182         Fiddington         GDN (SW)         14         West           183         Gilwern         GDN (WS)         14         West           184         Terra Nitrogen (aka ICI/Terra Severnside)         DC         14         West           185         Littleton Drew         GDN (SW)         14         West           186         Pembroke         14         West           187         Pucklechurch         GDN (SW)					
Lynn   174					
175         Avonmouth max Refill         STORAGE SITE         14         West           176         Tonna (Baglan Bay)         DC         14         West           177         Cirencester         GDN (SW)         14         West           178         Dowlais         GDN (WS)         14         West           179         Dyffryn Clydach         GDN (WS)         14         West           180         Dynevor Arms Max Refill         STORAGE SITE         14         West           181         Easton Grey         GDN (SW)         14         West           182         Fiddington         GDN (SW)         14         West           183         Gilwern         GDN (WS)         14         West           184         Terra Nitrogen (aka ICI/Terra Severnside)         DC         14         West           185         Littleton Drew         GDN (SW)         14         West           186         Pembroke         14         West           187         Pucklechurch         GDN (SW)         14         West           188         Ross         GDN (SW)         14         West	173			13	⊏aSl
Refill	174	West Winch	GDN (EA)	13	East
176         Tonna (Baglan Bay)         DC         14         West           177         Cirencester         GDN (SW)         14         West           178         Dowlais         GDN (WS)         14         West           179         Dyffryn Clydach         GDN (WS)         14         West           180         Dynevor Arms Max Refill         STORAGE SITE         14         West           181         Easton Grey         GDN (SW)         14         West           182         Fiddington         GDN (SW)         14         West           183         Gilwern         GDN (WS)         14         West           184         Terra Nitrogen (aka ICI/Terra Severnside)         DC         14         West           185         Littleton Drew         GDN (SW)         14         West           186         Pembroke         14         West           187         Pucklechurch         GDN (SW)         14         West           188         Ross         GDN (SW)         14         West	175		STORAGE SITE	14	West
177         Cirencester         GDN (SW)         14         West           178         Dowlais         GDN (WS)         14         West           179         Dyffryn Clydach         GDN (WS)         14         West           180         Dynevor Arms Max Refill         STORAGE SITE         14         West           181         Easton Grey         GDN (SW)         14         West           182         Fiddington         GDN (SW)         14         West           183         Gilwern         GDN (WS)         14         West           184         Terra Nitrogen (aka ICI/Terra Severnside)         DC         14         West           185         Littleton Drew         GDN (SW)         14         West           186         Pembroke         14         West           187         Pucklechurch         GDN (SW)         14         West           188         Ross         GDN (SW)         14         West	176	Tonna (Baglan	DC	14	West
178         Dowlais         GDN (WS)         14         West           179         Dyffryn Clydach         GDN (WS)         14         West           180         Dynevor Arms Max Refill         STORAGE SITE         14         West           181         Easton Grey         GDN (SW)         14         West           182         Fiddington         GDN (SW)         14         West           183         Gilwern         GDN (WS)         14         West           184         Terra Nitrogen (aka ICI/Terra Severnside)         DC         14         West           185         Littleton Drew         GDN (SW)         14         West           186         Pembroke         14         West           187         Pucklechurch         GDN (SW)         14         West           188         Ross         GDN (SW)         14         West	177		GDN (SW)	14	West
179         Dyffryn Clydach         GDN (WS)         14         West           180         Dynevor Arms Max Refill         STORAGE SITE         14         West           181         Easton Grey         GDN (SW)         14         West           182         Fiddington         GDN (SW)         14         West           183         Gilwern         GDN (WS)         14         West           184         Terra Nitrogen (aka ICI/Terra Severnside)         DC         14         West           185         Littleton Drew         GDN (SW)         14         West           186         Pembroke         14         West           187         Pucklechurch         GDN (SW)         14         West           188         Ross         GDN (SW)         14         West				14	
180         Dynevor Arms Max Refill         STORAGE SITE         14         West           181         Easton Grey         GDN (SW)         14         West           182         Fiddington         GDN (SW)         14         West           183         Gilwern         GDN (WS)         14         West           184         Terra Nitrogen (aka ICI/Terra Severnside)         DC         14         West           185         Littleton Drew         GDN (SW)         14         West           186         Pembroke         14         West           187         Pucklechurch         GDN (SW)         14         West           188         Ross         GDN (SW)         14         West				14	
181         Easton Grey         GDN (SW)         14         West           182         Fiddington         GDN (SW)         14         West           183         Gilwern         GDN (WS)         14         West           184         Terra Nitrogen (aka ICI/Terra Severnside)         DC         14         West           185         Littleton Drew         GDN (SW)         14         West           186         Pembroke         14         West           187         Pucklechurch         GDN (SW)         14         West           188         Ross         GDN (SW)         14         West		Dynevor Arms Max	STORAGE SITE		West
182         Fiddington         GDN (SW)         14         West           183         Gilwern         GDN (WS)         14         West           184         Terra Nitrogen (aka ICI/Terra Severnside)         DC         14         West           185         Littleton Drew         GDN (SW)         14         West           186         Pembroke         14         West           187         Pucklechurch         GDN (SW)         14         West           188         Ross         GDN (SW)         14         West	181		GDN (SW)	14	West
183         Gilwern         GDN (WS)         14         West           184         Terra Nitrogen (aka ICI/Terra Severnside)         DC         14         West           185         Littleton Drew         GDN (SW)         14         West           186         Pembroke         14         West           187         Pucklechurch         GDN (SW)         14         West           188         Ross         GDN (SW)         14         West			\ /		
184         Terra Nitrogen (aka ICI/Terra Severnside)         DC         14         West           185         Littleton Drew         GDN (SW)         14         West           186         Pembroke         14         West           187         Pucklechurch         GDN (SW)         14         West           188         Ross         GDN (SW)         14         West			` ,		
ICI/Terra           Severnside)         GDN (SW)         14         West           186         Pembroke         14         West           187         Pucklechurch         GDN (SW)         14         West           188         Ross         GDN (SW)         14         West			, ,		
Severnside)         GDN (SW)         14         West           186         Pembroke         14         West           187         Pucklechurch         GDN (SW)         14         West           188         Ross         GDN (SW)         14         West					-
185         Littleton Drew         GDN (SW)         14         West           186         Pembroke         14         West           187         Pucklechurch         GDN (SW)         14         West           188         Ross         GDN (SW)         14         West					
186         Pembroke         14         West           187         Pucklechurch         GDN (SW)         14         West           188         Ross         GDN (SW)         14         West	185	,	GDN (SW)	14	West
187         Pucklechurch         GDN (SW)         14         West           188         Ross         GDN (SW)         14         West			` '		
188 Ross GDN (SW) 14 West					
			,		

190	Seabank (Seabank Power Station Phase II)	DC	West	
191	Seabank (DN)	GDN (SW)	14	West
192	Abson (Seabank Power Station Phase 1)	DC	14	West
193	Uskmouth CCGT	DC	14	West
194	Gosberton	GDN (EM)	15	Central
195	Kirkstead	GDN (EM)	15	Central
196	Wragg Marsh (Spalding)	DC	15	Central
197	Sutton Bridge	GDN (EM)	15	Central
198	Sutton Bridge	DC 15		Central
199	Hardwick	GDN (SO) 16		East
200	Winkfield	GDN (NT) 16		East
201	Winkfield	GDN (SE)	GDN (SE) 16 E	
202	Winkfield	GDN (SO)	16	East

## Key:

GDN - Gas Distribution Network

DC - Direct Connect

The NTS Exit Points in *italics* are potential new NTS Exit Points.

## **APPENDIX 2. National, Area and Zonal Maxima**

This Appendix sets out the Maximum Available NTS Exit (Flexibility) Capacity (as defined under UNC TPD [B3.1.6]) for the NTS and each NTS Exit Zone and NTS Exit Area for the purposes to release of annual NTS Exit (Flexibility) Capacity.

Table 2-1: National, Area and Zonal Maxima (GWh/d)

Area	Zone	Zonal maxima	Area maxima	National Maximum
North	0	38.8	97.5	238.3
	1	49.8		
	2	4.3		
	3	34.6		
	4	64.5		
Central	5	16.7	86.7	
	6	6.9		
	11	28.9		
	12	23.9	,	
	15	15.8		
West	7	30.0	54.2	
	14	24.2		
East	8	22.0	86.7	
	9	32.6		
	10	14.0		
	13	35.3		
	16	13.1		