

# **Moffat Connected System Point Exit Flow Profile Methodology**

**Version 2.0**

**CER Approved**

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## **Background**

This document outlines the methodology (the Methodology) in accordance with which GNI (UK) Limited acting as a Connected System Operator pursuant to the Connected System Agreement at Moffat develops Exit Flow Profiles with respect to quantities of Natural Gas to be physically offtaken from the NGG System and delivered to the Ervia System at the Connected System Point. GNI(UK) Ltd reserves the right to revise this Methodology and publish a revised Methodology from time to time with the approval of the Regulator.

BGE (UK) intends to develop Exit Flow Profiles acting as a Reasonable and Prudent Operator in accordance with this Methodology however nothing in this Methodology or in the development or non-development by BGE (UK) of Exit Flow Profiles in accordance with this methodology or otherwise shall or shall be deemed to constitute any legal obligation or otherwise of BGE (UK) to Ervia Shippers or to NGG Shippers.

This updated Methodology is as amended to take account of development of the NI Virtual Reverse Flow Arrangements.

## **1 DEFINITIONS AND INTERPRETATION**

For the purpose of this Methodology:

“Achievable Initial Profile EODQ” shall have the meaning set out in Clause 3.2;

“Achievable Profile EODQ” shall be

- (1) a quantity advised by NGG as available for physical offtake from the National Grid Gas system at the Connected System Point following the issue of a Curtailment Notice by National Grid Gas, or
- (2) a physical quantity determined by GNI(UK) Ltd following the declaration of a Restricted Capacity Day at the Moffat Connected System Point or the declaration of a Network Gas Supply Emergency affecting the Ervia System and the Moffat Connected System Point as the case may be;

“Agents’ Forward Flow EODQ” means the quantity of gas notified to GNI(UK) Ltd or its affiliate by the Matching Agent in respect of a Day D as the quantity required to be delivered to the Ervia System at the Connected System Point on Day D (as such quantity is revised from time to time);

“Agents’ Reverse Flow EODQ” means the quantity of gas notified to BGE (UK) or its Affiliate by the Matching Agent in respect of a Day D as the quantity to be offtaken from the Ervia System at the Connected System Point for delivery to the NGG System on Day D as such quantity is revised from time to time;

“Aggregate Forward Flow EODQ means the Agents’ Forward Flow EODQ or, on a Day in respect of which an Agents’ Forward Flow EODQ is not notified to BGE (UK), the Transporter’s Forward Flow EODQ plus the NI Forward Flow EODQ;

“Aggregate Reverse Flow EODQ” shall mean the aggregate of the VExitP Profile Quantity and the NI VRF Profile Quantity as the case may be;

“Annex B2” means the Annex of that name to the CSA;

“Available Daily Interruptible VExitP Capacity” has the meaning in the Code of Operations;

“Available Interruptible VRF Capacity (NI)” means in respect of a Day an amount, not exceeding the maximum amount of Available Interruptible VRF Capacity at the Connected System Point agreed between BGE (UK) and PTL pursuant to the NI Virtual Reverse Flow Arrangements, or such other lesser amount as may be notified (a) by PTL to BGE (UK); or (b) by BGE (UK) to PTL following interruption pursuant to the NI Virtual Reverse Flow Arrangements in either case in respect of the Gas Flow Day;

“Ervia Shipper” has the meaning in the CSA and shall for the avoidance of doubt include PTL as counterparty to the Transportation Agreement;

“Ervia System” has the meaning in the CSA;

“BGE(UK)” means BGE (UK) Limited in its capacity as Connected Systems Operator pursuant to the CSA and not in any other capacity including for avoidance of doubt as counterparty to the Transportation Agreement but without prejudice to the right of BGE (UK) to utilise information provided pursuant to the Transportation Agreement for the purpose of this Methodology.;

“Change Lead Time” shall have the meaning ascribed thereto in Annex B-2;

“Code of Operations” or “Code” means the code of practice for the operation of the Transportation System (incorporating the Ervia System) published pursuant to the provisions of Section 13(1) of the Gas (Interim) (Regulation) Act 2002 to govern certain aspects of the relationship between the Transporter or its Affiliates and Shippers and as modified from time to time;

“Connected Systems Agreement” or “CSA” means the Agreement dated the 25 August 1998 made between Transco Plc and BGE (UK) Limited as amended and restated pursuant to an Agreement made the 3<sup>rd</sup> day of October 2011 between National

Grid Gas Plc (NGG) and GNI(UK) Ltd Limited and as otherwise amended from time to time;

“Connected System Point” has the meaning in the CSA;

“Curtailement Notice” shall have the meaning ascribed thereto in Annex B-2;

“Day” or “D” means a period beginning at 0600 hours on any day and ending at 0600 hours on the following day;

“Forward Flow Nominations” means Valid Nominations and/or Valid Renominations (as the case may be) by Ervia Shippers pursuant to the Code with respect of quantities of natural gas to be delivered to the Ervia System at the Connected System Point on a Day;

“Forward Flow Profile Quantity” has the meaning in clause 3.1;

“Initial Profile EODQ” means the first Profile EODQ in respect of Day (D) calculated pursuant to clause 3.1(e) by reference to the Initial Aggregate Forward Flow EODQ only and any then notified Reverse Flow Profile Quantity;

“Initial Aggregate Forward Flow EODQ” means the first Aggregate Forward Flow EODQ in respect of Day D notified to GNI(UK) Ltd or its affiliate by the Matching Agent or a established by GNI(UK) Ltd or its affiliate pursuant to the Methodology;

“Initial OPN” shall have the meaning set out in Clause 3.2;

“Matching Agent” or “Agent” means the agent appointed by the NTS Shippers and the Irish Shippers pursuant to the terms of the Moffat Administration Agreement;

“Methodology” means this methodology for development of offtake profile notices at the Connected System Point as amended by GNI(UK) Ltd from time to time;

“Moffat Administration Agreement” means the agreement dated 13 October 1998 whereby BGE (UK) is appointed by the NGG Shippers and the Irish Shippers as Matching Agent or any replacement agreement(s) whereby the NGG Shippers and Irish Shippers appoint an agent for the purposes, inter alia, of matching Forward Flow Nominations and/or Reverse Flow Nominations at Moffat as that agreement is amended or replaced from time to time;

“NGG Shipper” has the meaning in the CSA;

“NGG System” shall have the meaning in the CSA;

“NI Forward Flow EODQ” shall mean the quantity notified by PTL to BGE (UK) as the aggregate quantity of Natural Gas properly nominated to PTL pursuant to the PTL Network Code for delivery at the Connected System Point in respect of a Day and for onward transmission to the PTL Network;

“NI Virtual Reverse Flow Arrangements” shall mean the arrangements between PTL and BGE (UK) with respect to Virtual Reverse Flow of Natural Gas from the PTL Transportation System for virtual offtake at the Connected System Point;

“NI Virtual Reverse Flow EODQ” means the quantity as notified to BGE (UK) as the aggregate quantity of Natural Gas properly nominated for offtake at the Connected System Point (and which is not rejected) pursuant to the NI Virtual Reverse Flow Arrangements;

“NI VRF Profile Quantity” shall on D-1 and Day D in respect of any Gas Flow Day have the meaning in Section 3.1(c); and on D+1 in respect of the same Gas Flow Day shall mean the quantity by which the Aggregate Forward Flow EODQ was reduced by reference to Natural Gas for reverse flow from the PTL System at the Connected Systems Point for the purpose of the Final Exit Flow Profile in respect of that Gas Flow Day;

“Operational Flow Order” shall have the meaning in the Code of Operations;

“OPN” means an Exit Flow Profile as such term is defined under Annex B-2 and may be an Initial OPN or Revised OPN as the context implies;

“OPN Notification Time” means thirty (30) minutes past each hour of the Day, but excluding 05:30 hours;

“PTL” means Premier Transmission Ltd. acting in its capacity as Transmission System Operator pursuant to the PTL Network Code;

“Profile End of Day Quantity” or “Profile EODQ” has the meaning in clause 3.1(e);

“PTL Network Code” means the code of practice for the operation of the PTL System as published by PTL with the approval of the Northern Ireland Authority for Utility Regulation as modified from time to time;

“Prevailing Exit Flow Rate” shall have the meaning set out in Annex B-2;

“Reasonable and Prudent Operator” shall have the meaning in the Code of Operations;

“Reduced Available Daily Interruptible VExitP Capacity” shall have the meaning in the Code of Operations;

“Restricted Capacity” shall have the meaning in the Transportation Agreement;

“Reverse Flow Profile Quantity” shall have the meaning in clause 3.1(d);

“Revised Profile EODQ” means a Profile EODQ other than an Initial Profile EODQ;

“Revised OPN” means an OPN other than an Initial OPN;

“Shipper” and/or “Shippers” shall mean all persons who are Ervia Shippers and/or NGG Shippers or any one or more of them (as applicable);

“Transportation Agreement” means the agreement of that name dated the 21 day of August 1996 made between PTL and BGE (UK) Limited as modified from time to time;

“Transporter” means the transporter pursuant to the Code of Operations;

“Transporter Forward Flow EODQ” means in respect of a Day the aggregate Forward Flow Nominations or Renominations in respect of that Day (as revised from time to time);

“Transporters VExitP EODQ” means the aggregate of the Nominated Quantities in the Valid VExitP Nominations to the Transporter in respect of the VExitP at the Connected System Point in respect of Day D (as revised from time to time);

“Valid Nomination(s)” and “Valid Renominations” shall each have the meaning in the Code of Operations;

“Valid VExitP Nominations” shall have the meaning in the Code of Operations and shall for the purpose of this Methodology include Valid VExitP Renominations (as defined in the Code) where applicable;

“VExitP Profile Quantity” in respect of a Gas Flow Day shall on D-1 and D have the meaning in clause 3.1(b) and on Day D+1 shall mean the quantity by which the Aggregate Forward Flow Profile Quantity shall have been reduced to take account of Virtual Reverse Flow from the Transportation System (as described in the Code of Operations) at the Connected System Point.

## **2 GENERAL**

- 2.1 GNI(UK) Ltd shall be entitled to rely on any information it may receive from third parties including its Affiliates, the Transporter, PTL or any Matching Agent, for the purpose of the Methodology, and for the avoidance of doubt BGE (UK) shall be entitled as

provided pursuant to the Transportation Agreement to utilise information as provided pursuant to those arrangements for the purposes of this Methodology.

2.2 Where third parties wish to communicate information to GNI(UK) Ltd or receive information from GNI(UK) Ltd with respect to this Methodology for the processes contemplated by it, such information shall be communicated by such method of electronic communication as may be specified by GNI(UK) Ltd from time to time.

2.3 GNI(UK) Ltd and/or its affiliates may in accordance with and for the purpose of this Methodology:

- (a) receive from the Matching Agent the Agents' Forward Flow EODQ and where applicable the Agents' Reverse Flow EODQ in respect of any Day (D);
- (b) receive from the Transporter the Transporters' Forward Flow EODQ and (where applicable) the Transporters' VExitP EODQ ;
- (c) receive from PTL the NI Forward Flow EODQ and (where applicable) the NI Virtual Reverse Flow EODQ;
- (d) determine the Forward Flow Profile Quantity in accordance with clause 3.1(a);
- (e) determine the Reverse Flow Profile Quantity in accordance with Clause 3.1.(d);
- (f) determine the Profile EODQ in accordance with Clause 3.1(e) and notify to the Transporter and the Matching Agent the Profile EODQ and the constituent elements of its determination;
- (g) generate the Initial OPN and the Revised OPN as per sections 3 and 4 below;
- (h) generate if possible an OPN in respect of the Profile EODQ and in response to any Curtailment Notice or Interruption Notice issued by National Grid Gas which is in accordance with the terms of Annex B-2 and which will achieve such Profile EODQ by the end of such Day (D), assuming that the actual

flow at the Moffat Connected System Point reflects such OPN on such Day (D) or the remainder of such Day (D) (as the case may be);

- (i) in the event GNI(UK) Ltd is unable to generate an Initial OPN or a Revised OPN which will achieve the Profile EODQ (as per sub-clause 2.3(h) above), GNI(UK) Ltd will generate an OPN, which is in accordance with the terms of Annex B-2 and which will achieve a quantity as close as possible to the Profile EODQ;
- (j) advise the Matching Agent, the Transporter and PTL of the Achievable Profile EODQ if it is unable to generate an Initial OPN or a Revised OPN as the case may be which will achieve the Profile EODQ;
- (k) submit OPNs to National Grid Gas in a timely fashion in accordance with this Methodology;
- (l) on receipt of (1) an Interruption Notice or Curtailment Notice from National Grid Gas or on receipt of (2) information pursuant to which a revised Profile EODQ is developed at such time as to render GNI(UK) Ltd. unable to generate an OPN with a Change Lead Time of two (2) hours, liaise closely with National Grid Gas with regard to whether National Grid Gas is likely to accept OPNs generated by GNI(UK) Ltd. or accept Revised OPNs with a Changed Lead Time of less than two (2) hours;
- (m) generate a Revised OPN as required following the issue of a Curtailment Notice by National Grid Gas pursuant to Annex B-2 or on the notification to GNI(UK) Ltd. of a Restricted Capacity Day affecting the Moffat Entry Point and advise the Matching Agent the Transporter and PTL of the Achievable Profile EODQ achievable as a result of the Curtailment Notice or the Restricted Capacity Day as the case may be;
- (n) calculate (if necessary) a revised VExitP Profile Quantity following receipt by GNI(UK) Ltd. of notice of Reduced Available Daily Interruptible VExitP Capacity from the Transporter and generate a Revised OPN as required following such a calculation and which reflects to the extent available the

increase in flow rate at the Moffat Connected System Point and advise the Transporter, PTL and the Matching Agent (as appropriate) of:

- (a) the resulting Reduced Available Daily Interruptible VExitP Capacity;  
and
- (b) resulting Revised Profile EODQ;
- (o) calculate (if necessary) a revised NI VRF Profile Quantity following receipt by BGE (UK) of notice of reduction in Available Interruptible VRF Capacity (NI) from PTL and generate a revised OPN as required following such a calculation and which reflects to the extent available the increase in flow rate at the Moffat Connected System Point and advise the Transporter, PTL and the Matching Agent (as appropriate) of;
  - (i) the revised Available Interruptible VRF Capacity (NI); and
  - (ii) resulting Revised Profile EODQ;
- (p) generate a Revised OPN as required following the issue of an Interruption Notice by National Grid Gas on days of interruption, which reflects the increase or reduction in flow rate at the Moffat Connected System Point and advise the Transporter, PTL and the Matching Agent (as appropriate) of the resulting Achievable Profile EODQ;
- (q) notify to PTL and the Transporter on D+1 the Reverse Flow Profile Quantity and the NI VRF Profile Quantity and/or the VExitP Profile Quantity (as applicable) as actually utilised by BGE UK for the development of the last Exit Flow Profile in respect of a Day in respect of which:
  - (i) there was no Agent's Reverse Flow EODQ; or
  - (ii) the quantities as utilised differ in any way from the quantities notified as such to BGE (UK);

2.4 Notwithstanding anything else contained in this Methodology GNI(UK) Ltd. or its affiliate shall not be obliged and shall not:

- (a) Generate an OPN in respect of a Profile EODQ which includes an hourly offtake rate which cannot be accommodated by GNI(UK) Ltd. acting as a RPO;
- (b) Generate an OPN which contemplates offtake of natural gas from the GNI(UK) Ltd. System and delivery to the NGG System.

### 3 INITIAL OPN

3.1 GNI(UK) Ltd. shall by 16:00 hours on Day (D-1) and utilising information received by GNI(UK) Ltd. from the Transporter, PTL and/or the Matching Agent prior to that time (as the case may be):

- (a) determine a quantity (the “**Forward Flow Profile Quantity**”) which shall be:
  - (i) the Agents’ Forward Flow EODQ in respect of Day D; or
  - (ii) where in respect of Day D the Agent does not provide an Agents’ Forward Flow EODQ the sum of the Transporters’ Forward Flow EODQ and the NI Forward Flow EODQ.
- (b) determine the quantity (the “**VExitP Profile Quantity**”) in respect of :
  - (i) a Day D in respect of which an Agents’ Reverse Flow EODQ is not notified to GNI(UK) Ltd. and the Transporter notifies a Transporters VExitP EODQ, the lesser of:
    - (A) the Transporters’ VExitP EODQ (which shall be deemed zero unless an alternative quantity is notified); or
    - (B) the Reduced Available Daily Interruptible VExitP Capacity (as the case may be); and
- (c) determine the quantity (the “**NI VRF Profile Quantity**”) in respect of Day D in respect of which an Agent’s Reverse Flow EODQ is not notified to BGE (UK) and PTL notifies a NI Virtual Reverse Flow EODQ, as the lesser of:
  - (i) NI Virtual Reverse Flow EODQ (which shall be deemed zero unless an alternative quantity is notified); or
  - (ii) the Available Interruptible VRF Capacity (NI);

- (d) determine a quantity (the “**Reverse Flow Profile Quantity**”) which shall be:
  - (i) for a Day in respect of which an Agent’s Reverse Flow EODQ is notified in respect of Day D the lesser of:
    - (A) the Agent’s Reverse Flow EODQ in respect of Day D; or
    - (B) the aggregate of the Available Daily Interruptible VExitP Capacity (or reduced Available Daily Interruptible VExitP Capacity plus the Available Interruptible VRF Capacity (NI);or
  - (ii) for a Day D in respect of which the Agent does not provide an Agent’s Reverse Flow EODQ the Aggregate Reverse Flow EODQ;
- (e) determine a quantity (the “**Profile End of Day Quantity**” or “**Profile EODQ**”) being the Forward Flow Profile Quantity less the Reverse Flow Profile Quantity.

3.2 Ervia shall generate an Initial OPN for Day (D) using the Initial Profile EODQ which is in accordance with Annex B-2 and shall submit the Initial OPN to National Grid Gas prior to 1700 hours on Day (D-1). In generating the Initial OPN GNI(UK) Ltd. will have regard to the Prevailing Exit Flow Rate at 05.59 hours on Day (D-1). In the event that it is not possible to produce an Initial OPN, which will achieve the Initial Profile EODQ for Day (D), GNI(UK) Ltd. will consider whether any amendments to the OPN for Day (D-1) (pursuant to the principle set forth in Clause 3.3 (b)) would facilitate the achievement of the Initial Profile EODQ for Day (D). In the event it is still not possible to generate an OPN which will achieve the Initial Profile EODQ, GNI(UK) Ltd. will produce an Initial OPN which (assuming actual flows at Moffat reflect such Initial OPN) will achieve a quantity by the end of Day (D) (the “Achievable Initial Profile EODQ”) which is as close as possible to the Initial Profile EODQ. GNI(UK) Ltd. will submit any revised OPN for Day (D-1) generated pursuant to this Clause 3.2 to National Grid Gas prior to 1730 hours on Day (D-1).

3.3 In the event that National Grid Gas rejects the Initial OPN for the Day (D), GNI(UK) Ltd. will liaise with National Grid Gas (as necessary) to identify the reason for such rejection and shall:

- (a) firstly, seek to reconfigure the Initial OPN so as to produce a revised Initial OPN which both addresses the reason for rejection and still meets the Initial Profile EODQ;
- (b) secondly, if (a) is not possible, consider whether there are any amendments to the OPN for Day (D-1) which could be made which would make it easier to produce an Initial OPN for Day (D) which would meet the Initial Profile EODQ for Day (D) (or as close thereto as possible) and which amendments would not affect (or further affect) the achievement of the Profile EODQ for Day (D-1);
- (c) thirdly, if (a) is not possible even having considered (b), generate a revised Initial OPN which will address the reason for National Grid Gas's rejection and will (assuming actual flows reflect such revised OPN) achieve an Achievable Initial Profile EODQ for Day (D).

3.4 GNI(UK) Ltd. will submit any revised Initial OPN for Day (D) generated pursuant to Clause 3 to National Grid Gas as soon as reasonably practicable.

3.5 GNI(UK) Ltd. will submit any revised OPN for Day (D-1) generated pursuant to Clause 3.3 to National Grid Gas as soon as reasonably practicable and in all other cases prior to the second OPN Notification Time occurring after National Grid Gas's rejection of the Initial OPN for Day (D) except to the extent the data needed from National Grid Gas is not available in time to submit the revised OPN prior to the second OPN Notification Time in which case GNI(UK) Ltd. shall make such submission as soon as is reasonably practicable unless prior to such submission, GNI(UK) Ltd. receives revised information from the Matching Agent or from the Transporter or from PTL resulting in a revised Profile EODQ for which the reconfigured OPN for Day (D-1) would be inappropriate in which case Clauses 2.3(a) to 2.3(e) will apply.

3.6 In the event that the Initial OPN for Day (D) or any revised Initial OPN for Day (D) generated pursuant to Clause 3.3 will not achieve the Initial Profile EODQ, GNI(UK) Ltd. will notify the Matching Agent, the Transporter and/or PTL as appropriate as soon as possible of the Achievable Profile EODQ.

#### **4 REVISED PROFILE EODQS/REVISED OPNS**

- 4.1 GNI(UK) Ltd. shall calculate a revised Profile EODQ (“**Revised Profile EODQ**”) for Day D where GNI(UK) Ltd. receives a revised Agent’s Forward Flow EODQ or Transporters’ Forward Flow EODQ or NI Forward Flow EODQ such that there is a revised Forward Flow Profile Quantity and/or where GNI(UK) Ltd. receives a revised Agent’s Reverse Flow EODQ or a revised Transporter’s VExitP EODQ or NI Virtual Reverse Flow EODQ or any information which results in a revised Forward Flow Profile Quantity or a revised Reverse Flow Profile Quantity resulting in a Revised Profile EODQ. For the purpose of such calculation BGE (UK) shall recalculate or redetermine the quantities as specified in clause 3.1 by reference to any revised information received.
- 4.2 In the event that there is a Revised Profile EODQ for Day (D) (whether such Revised Profile EODQ is calculated on Day (D) or Day (D-1)), GNI(UK) Ltd. shall generate a Revised OPN for Day (D) which is in accordance with the terms of Annex B-2 and which, where possible, will achieve the Revised Profile EODQ by the end of Day (D), assuming that the actual flow at the Connected Systems Point reflects such Revised OPN on Day (D) or the remainder thereof (as the case may be).
- 4.3 In the event GNI(UK) Ltd. is unable to generate a Revised OPN which will achieve the Revised Profile EODQ (as per Clause 4.1), GNI(UK) Ltd. will generate a Revised OPN which (assuming that actual flow reflects such Revised OPN) will achieve a quantity by the end of Day (D) (the “Achievable Revised Profile EODQ”) as close as possible to the Revised Profile EODQ PROVIDED THAT in respect of a Revised Profile EODQ notified on Day (D-1) GNI(UK) Ltd. shall consider whether there are any amendments which could be made to the OPN for Day (D-1) which could be made which would make it easier to produce a Revised OPN for Day (D) which would meet the Revised Profile EODQ for Day (D) (or as close as possible thereto) and which amendments would not affect (or further affect) the achievement of the Revised Profile EODQ for Day (D-1).
- 4.4 In the event that a revision to the OPN for Day (D-1) affects the OPN submitted to National Grid Gas for Day (D) or in the event that a revision of the OPN for Day (D)

affects the OPN submitted to National Grid Gas for Day (D+1), Ervia will at the same time as revising the OPN for the earlier Day revise the OPN for the later Day.

#### 4.5

- (a) GNI(UK) Ltd. shall submit any Revised OPNs generated pursuant to Clauses 4.1 to 4.3 to National Grid Gas as soon as reasonably practicable and in the case of a Revised OPN being as the case may be for either Day D-1 or Day D, prior to the second OPN Notification Time occurring after calculation of the Revised Profile EODQ resulting in such Revised OPN except to the extent the data needed from National Grid Gas is not available in time to submit the Revised OPN prior to the second OPN Notification Time in which case GNI(UK) Ltd. shall make such submission as soon as is reasonably practicable unless prior to such submission a Revised Profile EODQ has been calculated for which the reconfigured OPN would be inappropriate in which case GNI(UK) Ltd. shall apply the provisions of Clauses 4.1 to 4.4 to such further Revised Profile EODQ.
- (b) In the event that any Revised OPN submitted or to be submitted to National Grid Gas in respect of any Day will not achieve the latest Revised Profile EODQ for such Day, GNI(UK) Ltd. will notify the Matching Agent, the Transporter and PTL as soon as possible of the revised Achievable Profile EODQ for such Day.

#### 4.6

- (a) GNI(UK) Ltd. shall, when practicable, under the circumstances provided in Clause 2.3(1) liaise with National Grid Gas to find out whether National Grid Gas is likely to be able to accept a Revised OPN with a Change Lead Time of less than two (2) hours. If as a result of such liaison it is determined that National Grid Gas will accept a Revised OPN with a Change Lead Time of less than two (2) hours GNI(UK) Ltd. will, if appropriate, build in to any applicable Revised OPN for the current Day (D) a Change Lead time of less than two (2) hours so as to meet the Revised Profile EODQ.

- (b) Where it would not otherwise be possible for GNI(UK) Ltd. to generate a Revised OPN for the current Day (D) which will achieve the Revised Profile EODQ for Day (D) with a Change Lead Time of two (2) hours GNI(UK) Ltd. shall liaise with National Grid Gas to determine whether National Grid Gas will accept a shorter Change Lead Time (as necessary to achieve the Revised Profile EODQ) in generating the Revised OPN.

4.7 In the event that National Grid Gas rejects a Revised OPN, GNI(UK) Ltd. shall, if necessary, liaise with National Grid Gas as to why the Revised OPN was rejected and as to how the Revised OPN should be reconfigured for it to be accepted and shall, in any event, as soon as possible reconfigure the Revised OPN, if possible.

4.8

- (a) GNI(UK) Ltd. shall submit the reconfigured Revised OPN to National Grid Gas as soon as reasonably practicable and in all cases prior to the second OPN Notification Time occurring after the rejection of the Revised OPN by National Grid Gas except to the extent the data needed from National Grid Gas is not available in time to submit the reconfigured Revised OPN prior to the second OPN Notification Time in which case GNI(UK) Ltd. shall make such submission as soon as is reasonably practicable, unless prior to such submission the Matching Agent and/or the Transporter and/or PTL has notified revised information which would result in a further Revised Profile EODQ for which the reconfigured Revised OPN would be inappropriate.
- (b) In the event that the reconfigured Revised OPN submitted or to be submitted to National Grid Gas will not achieve the Revised Profile EODQ (or, as the case may be, the further Revised Profile EODQ), GNI(UK) Ltd. shall notify the Matching Agent, the Transporter and PTL as soon as possible of the Achievable Profile EODQ.

4.9 In the event that National Grid Gas rejects the reconfigured Revised OPN, GNI(UK) Ltd. shall re-apply the provisions of Clauses 4.7 and 4.8 to reconfigure a Revised OPN has in the meantime a further Revised Profile EODQ has been determined, in which case GNI(UK) Ltd. shall apply the provisions of Clauses 4.1 to 4.4 to such further Revised Profile EODQ, but shall use, to the extent such information

is relevant, the information available to it from National Grid Gas in respect of the rejection of previous OPNs on that Day.

4.10 GNI(UK) Ltd. may generate and submit to National Grid Gas a Revised OPN in respect of a Day (D) in the absence of any change to the Profile EODQ for Day (D) or any rejection of the previous OPN for Day (D) by National Grid Gas PROVIDED THAT such Revised OPN does not affect (or further affect) the achievement of the Profile EODQ for Day (D).

4.11 GNI(UK) Ltd. may revise the Exit Flow Profile every hour, on the basis of all Agents' Forward Flow EODQs, Agents' Reverse Flow EODQ, Transporters' Forward Flow EODQ, Transporters' VExitP EODQ, NI Forward Flow EODQ, NI Virtual Reverse Flow EODQ resulting in a Revised Profile EODQ and shall not in any event be required to revise the Exit Flow Profile more than once in every hour.

## **5 INABILITY TO PROVIDE EXIT FLOW PROFILE**

5.1 In the event of any inability (resulting from a computer systems failure or otherwise) of GNI(UK) Ltd. to prepare or revise an Exit Flow Profile in accordance with the provisions of this Methodology , GNI(UK) Ltd. shall:

- (a) notify the Matching Agent, the Transporter and PTL;
- (b) the prevailing Exit Flow Profile shall continue in force until such inability ceases to apply;
- (c) when such inability has ceased to apply, the Exit Flow Profile will be revised by reference to the first Initial Profile EODQ and/or Revised Profile EODQ developed after such cessation.

## **6 INTERRUPTION/CURTAILMENT/RESTRICTION**

6.1 National Grid Gas Interruption/Curtailment Notices:

- (a) Upon receipt by GNI(UK) Ltd. of a Curtailment Notice or an Interruption Notice issued in accordance with Annex B-2 of the CSA GNI(UK) Ltd. will produce a Revised OPN in accordance with section 4 'Revised Profile EODQ/Revised

OPNs', which addresses the Curtailment Notice or Interruption Notice. In the case of an Interruption Notice, the OPN and any subsequent Revised OPN's during the period of interruption specified in the Interruption Notice will reflect the Achievable Profile EODQ as derived by BGE(UK), which is consistent with such Interruption Notice.

- (b) If during the time that such a Curtailment Notice or Interruption Notice is in effect and GNI(UK) Ltd. receives information which results in a Revised Profile EODQ which will result in a Revised OPN which will violate the Curtailment Notice or Interruption Notice GNI(UK) Ltd. shall only submit a Revised OPN in relation to such Revised Profile EODQ to the extent such Revised OPN will not violate the Curtailment Notice or Interruption Notice and shall notify the Matching Agent, the Transporter and PTL of such Revised OPN.

## 6.2 Ervia System Operational Profile Flow Orders and Restricted Capacity:

- (a) Upon receipt by GNI(UK) Ltd. of an Operational Flow Order issued in accordance with the Code of Operations or any notification of Restricted Capacity, GNI(UK) Ltd. will produce a Revised OPN in accordance with section 4 (Revised Profile EODQ/Revised OPNs), which addresses the notification of the Operational Flow Order or Restricted Capacity . In the case of an Operational Flow Order or notification of Restricted Capacity, the OPN and any subsequent Revised OPN's during the period of restriction specified in the Operational Flow Order will reflect the Achievable Profile EODQ (as the case may be) as derived by BGE(UK), which is consistent with such Operational Flow Order or notification of Restricted Capacity.
- (b) If during the time that such an Operational Flow Order or notification of Restricted Capacity is in effect and GNI(UK) Ltd. receives from the Matching Agent a revised Agents' Forward Flow EODQ or a revised Agents' Reverse Flow EODQ which will result in a Revised OPN which will violate the Operational Flow Order or notification of Restricted Capacity, GNI(UK) Ltd. shall only submit a Revised OPN in relation to such Revised Profile EODQ

to the extent such Revised OPN will not violate the Operational Flow Order, or notification of Restricted Capacity.

### 6.3 Network Gas Supply Emergency

- (a) Upon receipt by GNI(UK) Ltd. of an Operational Flow Order issued in accordance with the Code of Operations or on receipt of notification of Restricted Capacity GNI(UK) Ltd. will produce a Revised OPN in accordance with section 4 'Revised Profile EODQ/Revised OPNs', which addresses the any curtailment specified in the Operational Flow Order or notification of Restricted Capacity in so far as that curtailment relates to the Moffat Connected System Point. An OPN or a Revised OPN developed during the period of curtailment specified in the Operational Flow Order or notification of Restricted Capacity will reflect the Achievable Profile EODQ as derived by BGE (UK) which is consistent with such Operational Flow Order or notification of Restricted Capacity.
- (b) If during the time that such an Operational Flow Order is in effect and GNI(UK) Ltd. receives from the Matching Agent a revised Agents' Forward Flow EODQ or a revised Agents' Reverse Flow EODQ which will result in a Revised OPN which will violate the Operational Flow Order or notification of Restricted Capacity, GNI(UK) Ltd. shall only submit a Revised OPN in relation to such Revised Profile EODQ to the extent such Revised OPN will not violate the Operational Flow Order or notification of Restricted Capacity.

6.4 BGE (UK)'s obligation with respect to submission of Revised OPN's which do not violate an Operational Flow Order or notification of Restricted Capacity shall only apply to the extent that BGE (UK) can determine whether such Revised OPN will violate the relevant Operational Flow Order or notification of Restricted Capacity.

## 7 NOTICES/MEANS OF COMMUNICATION

7.1 Communications between GNI(UK) Ltd. and National Grid Gas with respect to this Methodology shall unless otherwise specified in accordance with clause 2.2 take place as follows:

- (a) GNI(UK) Ltd. and National Grid Gas shall communicate through instantaneous forms of communication including telephone and facsimile;
- (b) GNI(UK) Ltd. and National Grid Gas shall establish procedures by which such communications are to be made which shall include the ability to give and receive communications on a twenty-four (24) hour per day basis.

7.2 Communications between GNI(UK) Ltd. and Matching Agent shall unless otherwise specified in accordance with clause 2.2 take place as follows:

- (a) GNI(UK) Ltd. and the Matching Agent shall communicate through instantaneous forms of communication including telephone and facsimile;
- (b) GNI(UK) Ltd. and the Matching Agent shall establish procedures by which such communications are to be made which shall include the ability to give and receive communications on a twenty-four (24) hour per day basis.

7.3 Communications between GNI(UK) Ltd. and PTL shall unless otherwise specified in accordance with clause 2.2 take place as follows:

- (a) GNI(UK) Ltd. and PTL shall communicate through instantaneous forms of communication including telephone and facsimile;
- (b) GNI(UK) Ltd. and PTL shall establish procedures by which such communications are to be made which shall include the ability to give and receive communications on a twenty-four (24) hour per day basis.

7.4 BGE (UK) may treat information notified pursuant to the NI Virtual Reverse Flow Arrangements as information notified pursuant to this Exit Flow Profile Methodology.