

Final Modification Report No.5

Extension of the West Transmission System

15th April 2019

The Transporter has prepared this Final Modification Report No.5 in accordance with section 8 of the Code Modification Rules.

A Description of the nature and purpose of the modification

The extension of the West Transmission System from the new connection with the GNI (UK) System at Derryhale to the new offtake at Portadown is nearing completion and will shortly commence commissioning. Commercial flows of gas are anticipated at the end Q2/early summer.

The NI Network Gas Transmission Code therefore needs to be updated to reflect the fact that the West Exit Point will comprise more than one Offtake Point.

In the same way as Ten Towns Exit Point operates currently on Delphi, Shippers will need to submit one aggregate West Exit Point nomination for all their West Offtake Points and will receive one allocation in respect of West Exit Point under the NI Network Gas Transmission Code.

In addition, this Proposed Modification makes some 'housekeeping' corrections in Appendix 3 and Appendix 4 (Part I) and removes the network diagrams for all Exit Points from Appendix 4 (Parts II to VIII), since some have never been included in the NI Network Gas Transmission Code and they are not referenced in the text.

B How the modification better facilitates the relevant objective

The Relevant Objective, (condition 2.4 of the Transporter Licences) will be better facilitated by the NI Network Gas Transmission Code as a result of this modification. This change will support the efficient operation of the network by ensuring that the NI Network Gas Transmission Code is updated to reflect the physical extension of the West Transmission System.

C Third Party Representations

One response was received from Firmus Energy, supporting the Proposed Modification. Firmus Energy also noted an error in the Maximum Offtake Rate specified in the table in Appendix 4 for the Ten Towns Exit Point.

D The clauses of the NI Network Gas Transmission Code that require amendment

This proposal amends sections 1, 6 and 7 of the NI Network Gas Transmission Code, along with the Appendices 1 to 4. Specifically, the proposed text:

- Adds the term 'West Offtake Points'
- Amends the definitions of 'West Transmission System' and 'GNI (UK) System'

- Adds the term 'Derryhale Internal Connection Point'
- Corrects references to 'Ballylumford' to 'Ballylumford Internal Connection Point'
- Distinguishes (by introducing the new term 'SGN NG') between Scotia Gas Networks in its role as the DNO in Stranraer and SGN Natural Gas its role as the DNO for the 'SGN NG Distribution Network'
- Makes associated changes in the remainder of section 1 to clarify that the West Exit Point comprises the West Offtake Points, and identify the relevant parties at each point
- Confirms that the references to Measurement Equipment in respect of the West Transmission System refers to all the offtakes from the West Transmission System
- Amends section 6.8.3 in respect of Nominations and section 7.8 in respect of Allocations to include the new offtake and clarify the procedures in respect of West Exit Point
- Makes associated changes to the defined terms in Appendix 1
- Updates the summary tables in Appendix 2 and Appendix 4 (Part I)
- Corrects the introductory text in Appendix 3
- Removes the diagrams from Appendix 4 (Parts II to VIII)

Details are shown in the final legal text in section H.

E Impact on the networks of the Designated Pipeline Operators, Adjacent Transporters and/or relevant agreements in respect of the NI Network:

The Transporter has considered the impacts the modification may have and has concluded as follows:

Operation of the networks of the Designated Pipeline Operators: No impact

Adjacent Transporters: No impact

Relevant NI Agreements: No impact

F Changes from the Initial Modification Report

The value in the table in Appendix 4 for the Maximum Offtake Rate for Ten Towns Exit Point has been amended from 203,000 kWh/hour to 2,283,000 kWh/hour in the final legal text.

In addition, the units for all the Maximum Offtake Rates in the table have been clarified to show that they are in kWh/hour.

G The date proposed for implementation

The Transporter proposes that this Modification should take effect from 30th April 2019.

H Final Legal Text

Amend the contents list to read as follows:

4. EXIT POINT INFORMATION

Part I	Pressures, Offtake Rates and Maintenance Days at Specific Exit Points
Part II	Ballylumford Exit Point
Part III	Belfast Exit Point: BGTL Belfast Offtake Points
Part IV	Belfast Exit Point: Lisburn Offtake Point
Part V	Maydown Exit Point
Part VI	Stranraer Exit Point
Part VII	Ten Towns Exit Point
Part VIII	Coolkeeragh Exit Point

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Amend section 1.5 to read as follows:

1.5 The NI Network

- 1.5.1 For the purposes of this Code, the NI Network is treated as a single gas transmission system and a Shipper shall be entitled to flow gas through the NI Network in accordance with this Code.
- 1.5.2 In this Code:
- (a) “**NI Network**” means the PTL Transportation System, the Belfast Gas System, the GNI (UK) System and the West Transmission System;
 - (b) the “**PTL Transportation System**” means the PTL System and the capacity held by PTL in the GNI (UK) Upstream System;
 - (c) the “**PTL System**” means the pipeline and associated facilities, owned and operated by PTL, connecting Twynholm in Scotland, to Ballylumford [Internal Connection Point](#) in Northern Ireland by an on-shore and sub-sea pipeline and [to](#) Stranraer in Scotland by an on-shore pipeline;
 - (d) the “**GNI (UK) Upstream System**” means the pipeline and associated facilities operated by GNI (UK) Upstream connecting the national gas transmission system at Moffat to, inter alia, Twynholm in Scotland through which GNI (UK) transports gas for PTL pursuant to the GNI (UK) Transportation Agreement;
 - (e) the “**GNI (UK) Transportation Agreement**” means the agreement dated 21 August 1996 made between GNI (UK) Upstream and PTL pursuant to which GNI (UK) Upstream transports gas for PTL through the GNI (UK) Upstream System as amended and restated from time to time;
 - (f) the “**Belfast Gas System**” means the pipeline and associated facilities owned and operated by BGTL which connects the PTL System at Ballylumford [Internal Connection](#)

[Point](#) in Northern Ireland to the GNI (UK) System at the Carrickfergus Internal Connection Point and to the PNG Distribution Network;

- (g) the “**GNI (UK) System**” means the pipeline and associated facilities owned and operated by GNI (UK) which connects the Belfast Gas System at the Carrickfergus Internal Connection Point to [the](#) West Transmission System at [the](#) Maydown Internal Connection Point [and the Derryhale Internal Connection Point](#), the Firmus Distribution Network, the PNG Distribution Network and the South North Interconnection Point;
- (h) the “**West Transmission System**” means the pipeline and associated facilities owned and operated by WTL ~~between which connects the GNI (UK) System at the~~ Maydown Internal Connection Point [and the Derryhale Internal Connection Point to](#) ~~and the~~ [SGN-NG](#) Distribution Network.

Amend section 1.8.2 to read as shown below:

Types of Exit Points

1.8.2 In this Code:

- (a) an “**Exit Point**” means a DN Exit Point, Stranraer Exit Point or a Power Station Exit Point and “**Exit Points**” shall be construed accordingly;
- (b) a “**DN Exit Point**” means an exit point at which gas is offtaken by Shippers for the purpose of supplying gas to premises via the gas distribution network of a DNO and “**DN Exit Points**” shall be construed accordingly;
- (c) a “**Power Station Exit Point**” means an exit point at which gas is offtaken by Shippers from the NI Network for the purposes of supplying a power station and “**Power Station Exit Points**” shall be construed accordingly;
- (d) “**Offtake Point**” means the Lisburn Offtake Point, the BGTL Belfast Offtake Points, ~~or~~ the Ten Towns Offtake Points [or the West Offtake Points](#) and “**Offtake Points**” shall be construed accordingly.

Amend section 1.8.3 to read as shown below:

Specific Exit Points and Offtake Points

1.8.3 In this Code the following are specific Exit Points and Offtake Points on the NI Network:

- (a) “**Stranraer Exit Point**” is the exit point located at Stranraer in Scotland at which gas can flow out of the PTL Transportation System into the Stranraer Distribution Network;

- (b) **“Belfast Exit Point”** is the DN Exit Point at Belfast and comprises the Lisburn Offtake Point and the BGTL Belfast Offtake Points;
- (c) **“Lisburn Offtake Point”** means a point at which gas can flow out of the GNI (UK) System into the PNG Distribution Network;
- (d) **“BGTL Belfast Offtake Points”** are the individual offtake points at which gas can flow out of the Belfast Gas System and into the PNG Distribution Network;
- (e) **“Ten Towns Exit Point”** is the DN Exit Point which comprises the Ten Towns Offtake Points;
- (f) **“Ten Towns Offtake Points”** are the individual offtake points at which gas can flow out of the GNI(UK) System into the Firmus Distribution Network;
- (g) **“West Exit Point”** is the DN Exit Point ~~at Maydown near which gas can flow out of the WTL System into the SGN Distribution Network~~ which comprises the West Offtake Points;
- (h) **“West Offtake Points”** are the individual offtake points at which gas can flow out of the West Transmission System into the SGN NG Distribution Network;
- (hi) **“Ballylumford Exit Point”** is the Power Station Exit Point at Ballylumford;
- (ij) **“Coolkeeragh Exit Point”** is the Power Station Exit Point at Coolkeeragh.

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Amend section 1.8.4 to read as shown below:

Relationship between Exit Points and Offtake Points

1.8.4 For the avoidance of doubt, in this Code:

- (a) certain Exit Points comprise certain Offtake Points as follows:
 - (i) the Belfast Exit Point comprises the Lisburn Offtake Point and the BGTL Offtake Points;
 - (ii) the Ten Towns Exit Point comprises the Ten Towns Offtake Points;
 - (iii) the West Exit Point comprises the West Offtake Points;
- (b) a Shipper may apply for and be registered as holding Exit Capacity at an Exit Point but not an Offtake Point;
- (c) a Shipper may submit Nominations in respect of an Exit Point but not an Offtake Point.

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Amend section 1.8.5 to read as shown below:

Relevant Transporter and Relevant DNO at specific Exit Points and Offtake Points

1.8.5 For the purposes of this Code:

- (a) at BGTL Belfast Offtake Point the Relevant Transporter is BGTL and the Relevant DNO is Phoenix;
- (b) at Lisburn Offtake Point the Relevant Transporter is GNI (UK) and the Relevant DNO is Phoenix;
- (c) at Ten Towns Exit Point (including each of the Ten Towns Offtake Points) the Relevant Transporter is GNI (UK) and the Relevant DNO is Firmus;
- (d) at West Exit Point [\(including each of the West Offtake Points\)](#) the Relevant Transporter is WTL and the Relevant DNO is ~~SGN~~-SGN NG;
- (e) at Ballylumford Exit Point the Relevant Transporter is PTL;
- (f) at Coolkeeragh Exit Point the Relevant Transporter is GNI (UK);
- (g) at Stranraer Exit Point the Relevant Transporter is PTL.

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Amend section 1.9.3 to read as shown below:

Specific Internal Connection Points

1.9.3 In this Code:

- (a) **“Ballylumford Internal Connection Point”** means the Internal Connection Point located at Ballylumford;
- (b) **“Carrickfergus Internal Connection Point”** means the Internal Connection Point located at Carrickfergus;
- (c) **“Maydown Internal Connection Point”** means the Internal Connection Point located at Maydown;
- (d) **“[Derryhale Internal Connection Point](#)”** means the Internal Connection Point located at [Derryhale](#);
- ~~(d)~~(e) the **“Upstream Transporter”** is the Individual Transporter from whose system the gas flows (under normal operating conditions); and

~~(e)~~(f) the “**Downstream Transporter**” is the Individual Transporter into whose system the gas flows (under normal operating conditions);

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Amend section 1.9.4 to read as shown below:

Upstream Transporter and Downstream Transporter

1.9.4 In respect of each Internal Connection Point:

- (a) at Ballylumford Internal Connection Point the Upstream Transporter is PTL and the Downstream Transporter is BGTL;
- (b) at Carrickfergus Internal Connection Point, under normal operating conditions, the Upstream Transporter is BGTL and the Downstream Transporter is GNI (UK);
- (c) at Carrickfergus Internal Connection Point, under physical reverse flow conditions, the Upstream Transporter is GNI (UK) and the Downstream Transporter is BGTL;
- ~~(d)~~ at Maydown Internal Connection point the Upstream Transporter is GNI (UK) and the Downstream Transporter is WTL;

~~(d)~~(e) at Derryhale Internal Connection Point the Upstream Transporter is GNI (UK) and the Downstream Transporter is WTL.

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Amend section 1.10 to read as shown below:

1.10 Measurement Equipment

1.10.1 For the purposes of this Code:

- (a) the arrangements for the ownership, reading and validation of Measurement Equipment at Moffat Interconnection Point are addressed in an agreement between GNI (UK) Upstream and National Grid. Measurement information is obtained by GNI (UK) Upstream pursuant to such agreement and the IP Measured Quantity is provided to PTL, where applicable, in accordance with the Tripartite Agreement as further described in section 14.2 of this Code;
- (b) the Measurement Equipment at South North Interconnection Point is owned, read and validated by Gas Networks Ireland which provides measurement information to GNI (UK);
- (c) the Measurement Equipment at Stranraer Exit Point is owned and validated by National Grid and PTL reads such Measurement Equipment;

- (d) the Measurement Equipment at Ballylumford Exit Point is owned, read and validated by PTL;
- (e) the Measurement Equipment at Coolkeeragh Exit Point is owned, read and validated by GNI (UK);
- (f) the Measurement Equipment at the BGTL Belfast Offtake Points is owned and validated by BGTL. –PTL reads such Measurement Equipment in accordance with the Belfast Metering Agreement;
- (g) the Measurement Equipment at the Lisburn Offtake Point is owned and validated by GNI (UK). PTL reads such Measurement Equipment in accordance with the SOA;
- (h) the Measurement Equipment at the Ten Towns Offtake Points is owned, read and validated by GNI (UK);
- ~~(i) the Measurement Equipment at the West Exit Point is owned, read and validated by WTL.~~
- ~~(j) the Measurement Equipment at the West Offtake Points is owned, read and validated by WTL.~~

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Amend section 6.83 to read as shown below:

6.8.3 Under this Code, an Exit Nomination may be submitted in respect of:

- (a) Stranraer Exit Point;
- (b) Ballylumford Exit Point;
- (c) Belfast Exit Point;
- (d) Coolkeeragh Exit Point;
- (e) Ten Towns Exit Point;
- (f) West Exit Point;

and, for the avoidance of doubt:

- (i) Exit Nominations in respect of Belfast Exit Point shall include quantities of gas which may exit the NI Network at the Lisburn Offtake Point and the BGTL Belfast Offtake Points;
- (ii) Exit Nominations in respect of West Exit Point shall include quantities of gas which may exit the NI Network at any or all of the West Offtake Points;

- (iii) Exit Nominations in respect of Ten Towns Exit Point shall include quantities of gas which may exit the NI Network at any or all of the Ten Towns Offtake Points; and
- (iv) accordingly, separate Nominations in respect of Lisburn Offtake Point, BGTL Belfast Offtake Points, [West Offtake Points](#) or Ten Town Offtake Points may not be submitted.

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Amend section 7.8 to read as shown below:

7.8 Offtake Points

For the avoidance of doubt, Shippers shall not receive individual Exit Allocations in respect of Lisburn Offtake Point, BGTL Belfast Offtake Points, [West Offtake Points](#) or Ten Towns Offtake Points.

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Appendix 1: Definitions and Interpretation

Amend, add or remove, as applicable, the following defined terms in Appendix 1 to read as shown below:

“Ballylumford Exit Point”	has the meaning given to it in section 1.8.3(h);
“Coolkeeragh Exit Point”	has the meaning given to in section 1.8.3(i);
<u>“Derryhale Internal Connection Point”</u>	<u>has the meaning given to in section 1.9.3(d);</u>
“Downstream Transporter”	has the meaning given to it in section 1.9.3(e);
“SGN”	means SGN Natural Gas Limited Scotia Gas Networks Limited , a company incorporated in England and Wales with company number 0882271504958135 ;
<u>“SGN NG”</u>	<u>means SGN Natural Gas Limited, a company incorporated in England and Wales with company number 08822715;</u>
<u>“SGN SGN NG Distribution Network”</u>	means the gas distribution network owned and operated by SGN SGN NG ;
“Upstream Transporter”	has the meaning given to it in section 1.9.3(e);
<u>“West Offtake Points”</u>	<u>has the meaning given to in section 1.8.3(h);</u>

Amend the table in Appendix 2 to read as follows:

Specific NI Network Point	Type of Point	Point Comprised in: (where applicable)	Relevant Transporter	Relevant DNO (where applicable)	Relevant Adjacent Transporter (where applicable)
Moffat Interconnection Point	Interconnection Point	-	PTL	-	National Grid
Moffat IP Entry Point	IP Entry Point	Moffat Interconnection Point	PTL	-	National Grid
Moffat VRF IP Exit Point	VRF IP Exit Point	Moffat Interconnection Point	PTL	-	National Grid
South North Interconnection Point	Interconnection Point	-	GNI (UK)	-	Gas Networks Ireland
South North IP Entry Point	IP Entry Point	South North Interconnection Point	GNI (UK)	-	Gas Networks Ireland
South North VRF IP Exit Point	VRF IP Exit Point	South North Interconnection Point	GNI (UK)	-	Gas Networks Ireland
Ballylumford Exit Point	Power Station Exit Point	-	PTL	-	-
Coolkeeragh Exit Point	Power Station Exit Point	-	GNI (UK)	-	-
Belfast Exit Point	DN Exit Point	-	As per Offtake Points	As per Offtake Points	-
BGTL Belfast Offtake Points	Offtake Points	Belfast Exit Point	BGTL	Phoenix	-
Lisburn Offtake Point	Offtake Point	Belfast Exit Point	GNI (UK)	Phoenix	-
Ten Towns Exit Point	DN Exit Point	-	As per Offtake Points	As per Offtake Points	-
Ten Towns Offtake Points	Offtake Points	Ten Towns Exit Point	GNI (UK)	Firmus	-
West Exit Point	DN Exit Point	-	WTLAs per Offtake Points	SGNAs per Offtake Points	-
West Offtake Points	Offtake Points	West Exit Point	WTL	SGN NG	-
Stranraer Exit Point	Stranraer Exit Point	-	PTL	*	-

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Amend the text at the start of Appendix 3 to read as follows:

APPENDIX 3

GAS SPECIFICATION

The content and characteristics of gas to be entered or offtaken from the [PTL System-NI Network](#) shall be in accordance with Schedule 3 of the Gas Safety (Management) Regulations (Northern Ireland) 1997, shown below for information.

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Amend and rename Appendix 4 Part I to read as follows:

APPENDIX 4

EXIT POINT INFORMATION

Part I

Pressures, Offtake Rates and Maintenance Days at specific Exit Points

	Minimum Pressure (section 13.3)	Maximum Offtake Rate (section 13.2)	Ramp Rate (section 13.2)	Maximum Maintenance Days (section 15)	End User
Ballylumford Exit Point	12 bar	3,580,000 kWh/hour	87,000 kWh/min for up to 39 minutes 182,000 kWh/min for up to 2 minutes 3,540,000 kWh/min for up to 10 seconds **	15*	AES Ballylumford Limited
Coolkeeragh Exit Point	12 bar	782,000 kWh/hour	30,000 kWh/min	5 plus any additional days specified in an Ancillary Agreement	ESB

Stranraer Exit Point	12 bar	150,000 kWh/hour	8,440 kWh/min	zero 5 plus any additional days specified in an Ancillary Agreement	Scotia Gas Networks plc SGN
Belfast Exit Point	12 bar	3,580,000 kWh/hour	8,440 kWh 33,760 kWh/min	zero 5 plus any additional days specified in an Ancillary Agreement	Phoenix suppliers
Ten Towns Exit Point	12 bar	2,283,000 203,000 kWh/hour	30,000 kWh/min	5 plus any additional days specified in an Ancillary Agreement	Firmus suppliers
West Exit Point	12 bar	3,580,000 913,000 kWh/hour	0 30,000 kWh/min ***	15	SGN SGN NG suppliers

* To be 20 Maintenance Days in any Gas Year in which PTL or GNI (UK) install compression on their respective systems. Furthermore, any Maintenance Days shall be consecutive.

** This equates to a spinning reserve of 21,000 therms at Ballylumford Power Station.

*** [Indicative figure pending completion of the West Transmission System.](#)

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Delete Appendix 4 Parts II to VIII (Exit Point and Offtake Point Diagrams)

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