



Newtown Pipeline

SECTION 39A APPLICATION

**Gas Networks Ireland,
PO Box 51,
Gasworks Road,
Cork.
Tel: 021 - 4534000**

Date: 21st Nov 2025

Table of Contents

1.0	Proposal	3
2.0	Project Scope.....	4
3.0	Design of the Newtown Pipeline.....	7
4.0	Programme	7
5.0	Capital Expenditure	8
6.0	Environmental Considerations	8
7.0	Appendices	9

1.0 Proposal

LCC Group Limited (the “**Customer**”) has requested a gas connection to the proposed new Kilshane Power Station in Kilshane, Finglas, Dublin 11 (“**Gas to Kilshane**”) where planning permission has been granted. The Gas to Kilshane project involves the construction of a new Above Ground Installation (“**Newtown AGI**”) which will be built at the Customer’s site at Kilshane, Finglas, Dublin 11. The proposed new GNI 139 pipeline comprises 715m of 300mm gas transmission pipeline (“**Newtown Pipeline**”) will connect the Newtown AGI to the existing transmission network at the Kilshane Block Valve Station (“**Kilshane BV**”). The Kilshane BV will be expanded to facilitate the connection of the new offtake. The Newtown Pipeline will be connected to the bridled section between the BGE72 pipeline and the BGE36 pipeline within the Kilshane BV.

The Kilshane Power Station requires a gas supply for the power generation plant. The Customer entered into a Large Networks Connection Agreement (“**LNCA**”) with GNI on 21 October 2022 to progress a gas supply solution to meet the proposed demand.

A satellite map of the proposed pipeline, as well as the mechanical arrangement of the proposed Newtown AGI and Kilshane BV are attached in **Appendix A**.

Section 39A consent is required for the construction of the Newtown Pipeline element of the Gas to Kilshane Project.

2.0 Project Scope

The project scope is to deliver (i) the Newtown Pipeline (ii) the Newtown AGI. The purpose of the Gas to Kilshane Project is to enable a new 32.8barg gas connection to a new reserve gas power station which has received planning permission from Fingal council FW22A/0204 and ABP Ref.: 317480-23, located near Finglas, Co. Dublin.

The summary of works required for the Gas to Kilshane Project is as follows:

Newtown Pipeline

- The Newtown Pipeline will tie-in at the Kilshane BV to the existing 200mm bridal between the 900mm BGE/72 Ballough to Brownsbarn Pipeline and the 450mm BGE/36 pipeline to the West.
- The Pipeline will exit the Kilshane BV and travel Southeast down Bay Lane, it will then turn left along Kilshane Road L3120 before entering into the LCC Power Station lands where the Newtown AGI will be located.
- Co-ordination with local authority and other relevant contractors completing works within Kilshane Road.
- Civil works to construct the Newtown pipeline including excavation, backfill and reinstatement.
- Testing and commissioning of the Newtown Pipeline.

Newtown AGI:

- Newtown AGI will be located on the Customer's premises at Kilshane, Finglas. This will be a 32.8barg AGI with a load estimate of 857MWth (90,896 SCMh).
- This AGI will consist of a Pressure Reduction Skid ("PRs") to reduce the gas pressure from 70barg to 32.8barg; suitable for the plant requirements.
- A chromatograph kiosk for gas quality sampling.
- A Boiler package and associated Heat Exchangers for pre heating the gas prior to reducing the pressure.
- An Electrical and Instrumentation ("E&I") kiosk.
- Pig trap inlet with associated concrete base supports.
- Associated civil works, security fencing & CCTV and Control & Instrumentation.

Newtown AGI – Mechanical & Electrical Works

- The station will be isolated from the Newtown Pipeline spur with a buried inlet insulation joint.
- A new outlet connection from the Newtown AGI will be provided to the Customer through the southwest corner of the AGI.
- A temporary pig trap valve to allow for the installation of a receiving pig trap so that the pipeline can be pigged for maintenance activities.
- The station will contain Filtration, Metering, Heat Exchangers and Pressure Reduction Skid.
- The Filtration, Metering and Heat Exchanger systems will be configured to operate with a duty/standby configuration, allowing uninterrupted supply of gas during routine maintenance activities.
- The PRS will be housed within a kiosk and contain 3 no. streams each designed to operate at 50% of the station capacity. This is to allow for one stream to be

taken offline while still having enough capacity to operate on the remaining design flow for the site.

- Ultrasonic flow meters (“USM”) have been specified. The meters selected will ensure that min/max flows are measurable at the required min/max design pressures.
- The station will also contain an E&I kiosk, chromatograph kiosk and associated lighting for the site.
- The PRS, filter skids, meter skids and heat exchanger skids will be delivered and installed to site by a third-party vendor and installed by the works contractor.

Newtown AGI – Civil Works

- Preparation of Temporary Works Area.
- Installation of site hoarding.
- Installation of ducting and manholes.
- Excavation works associated with buried pipework and boundary fencing.
- Concrete bases for Filter Skid, Meter Skid, Heat Exchanger skid, E&I kiosk, PRS and Pig Trap base.
- Access roadways within the AGI, curbing and footpaths.
- Stone chippings.
- Security fencing, pedestrian and vehicle access gates.
- Pipe supports for buried and above ground pipework.
- Lighting stands, CCTV and Cathodic Protection marker post.
- Soak pit.

Kilshane BV and Tie-In:

- The tie-in to the gas network will be undertaken at the Kilshane BV to the existing 200mm bridal between the 900mm BGE/72 “Ballough to Brownsbarn Pipeline” and the 450mm BGE/36 “Pipeline to the West”.
- As part of these works, the Kilshane BV boundary will be extended to account for the new tie-in works and outlet pipework.
- The works within Kilshane BV will include a pipeline isolation valve and a permanent pig trap base to allow for future pigging of the new transmission pipeline.
- The Kilshane BV will be enclosed within a 2.4m high palisade security fence and will be accessible via a concrete roadway from the Northwest Business Park, Blanchardstown, Dublin.
- Landscaping and final reinstatement.

Kilshane Block valve Hot Tap – Mechanical & Electrical Works

- The pipeline will be connected to the existing 200mm bridal pipework between the 900mm BGE/72 Ballough to Brownsbarn Pipeline and the 450mm BGE/36 pipeline to the West.
- The station will be isolated from the Newtown Pipeline spur with a buried outlet insulation joint.
- Installation on an Above ground temporary pig trap valve to allow for the installation of a launching pig trap so that the pipeline can be pigged for maintenance.
- The compound will also contain a pipeline isolation valve to allow for the Newtown Pipeline to be isolated.

Kilshane Block valve Hot Tap – Civil Works

- Preparation of temporary works area and initial civil works.
- Concrete base for the temporary pig trap.
- Access road, curbing and footpaths leading into the block valve station.
- Stone chippings.
- Security palisade fencing and access gates.
- Buried pipe supports.
- Buried pit for Isolation valve.
- Soak pit.
- Cathodic Protection marker post.
- Landscaping.

The Newtown Pipeline, Newtown AGI and Kilshane BV will be designed, constructed and operated in accordance with I.S. 328:2021 for gas transmission pipelines and pipeline installations.

3.0 Design of the Newtown Pipeline

The Newtown Pipeline, Newtown AGI and Kilshane BV (will be designed, constructed, tested and commissioned in accordance with the codes and standards listed in the GNI Engineering Requirements Document (“ERD”), attached in **Appendix B**.

The design pressure of the Newtown Pipeline is 85bar. The steel grade of the Newtown Pipeline is L415 and the wall thickness is 12.7mm. The design gives a building proximity distance of 3m to normally occupied buildings as per Clause 9.5 of I.S. 328:2021. The design life of the Newtown Pipeline is expected to be 40 years.

The external coating of the Newtown Pipeline is a 3-layer polyethylene system. The pipe will be coated internally with an epoxy flow lining. In addition to the external coating, corrosion protection will be achieved by using an impressed current cathodic protection system.

The Newtown Pipeline will be used to transport gas. The composition of the gas at the 2 No. entry points, Beattock and Corrib is contained in the Certificates of Analysis, attached in **Appendix B**.

4.0 Programme

It is anticipated, subject to regulatory approvals, local authority consents, landowner consents, materials procurement, etc. that the construction works will commence in June 2026 and will be completed with gas available in June 2027. To deliver to this programme, a decision regarding this Section 39A consent application is required by April 2026.

5.0 Capital Expenditure

The Gas to Kilshane Project will be 100% funded by the Customer.

6.0 Environmental Considerations

An Appropriate Assessment (“AA”) Screening Report (**Appendix C**) has been completed for the Newtown Pipeline. This AA Screening Report concluded beyond reasonable scientific doubt that there are not likely to be significant effects from the proposed development on the European sites identified for consideration (or any other European site), either alone or in combination with other plans or projects.

An Environmental Impact Assessment Report (“EIAR”) (**Appendix C**) has also been completed for the Newtown Pipeline in accordance with the most relevant guidance and legislation. The EIAR documents the assessment of the potential environmental impacts of the Newtown Pipeline, an evaluation of measures to mitigate or avoid any adverse impacts and the residual effects on the environment (effects after the implementation of mitigation measures). The EIAR addresses the following environmental factors, ensuring all relevant environmental topics/issues have been reviewed and addressed in the context of the proposed development: Population and Human Health; Land, Soils, Geology and Hydrogeology; Hydrology; Biodiversity; Air Quality and Climate; Noise and Vibration; Landscape and Visual; Archaeological, Architectural and Cultural Heritage; and Material Assets (including Traffic and Transportation, Waste, and Utilities). The EIAR also considers in accordance with relevant EIA guidance the project Alternatives, Interactions and interrelationships between the factors, and the potential for Cumulative Impacts with planned and permitted developments (including the Newtown AGI, Kilshane BV and the permitted [reserve] power station). This EIAR concluded that there are no significant residual effects (direct, indirect, or cumulative) on the environment as a result of the proposed development, following the implementation of mitigation measures set out in the Gas to Kilshane project EIAR.

7.0 Appendices

Drawing/Document	Drawing / Document Number
Appendix A	<ul style="list-style-type: none">• 1395.01-DG-0001• 1395.02-DG-0001• 1395.03-DG-0001
Appendix B	<ul style="list-style-type: none">• COA_Hydrocarbon_BBGT_April 2025• COA_Hydrocarbon_Beattock_April 2025• COA_Sulphur_BBGT_April 2025• COA_Sulphur_Beattock_April 2025• GNI Engineering Requirements Document 2021
Appendix C	<ul style="list-style-type: none">• AASR Newtown Gas Transmission Pipeline• Volume 1 – Non-Technical Summary• Volume II EIAR• Volume III EIAR Appendices• Volume IV Drawings