



GAS TO MILLTOWN PIPELINE

SECTION 39A APPLICATION

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1.0 Proposal

GNI received the Project Bulmer (Gas to Bulmer, Grange Castle) power generation and data centre enquiry from Data and Power Hub Services Limited (the “**Customer**”) for a new gas connection. The gas supply is needed to provide 600 MW_{th} to the power generation facility. Subsequently, a **Large Network Connection Agreement (“LNCA”)** was executed with the Customer on 3rd November 2021.

The Customer requested prevailing pressure for their facility and Project Bulmer will include a new transmission pipeline and Above Ground Installation (“**AGI**”). The new c. 1.175km long, 400mm diameter, 85 barg pipeline (the “**Gas to Milltown Pipeline**” or also known as the “**Gas to Bulmer, Grange Castle Pipeline**”). The new 70 barg filter-meter AGI (“**the Milltown AGI**”) will be built within the Customer premises in Milltown.

A Satellite Map of the proposed Gas to Milltown Pipeline, as well as the mechanical arrangement of the proposed Milltown AGI are attached in **Appendix A**.

Section 39A approval is required for the Gas to Milltown Pipeline element of the project.

2.0 Project Scope

The project scope is to deliver an AGI and 1.175km of 400mm transmission pipeline to facilitate a new natural gas connection to a power generation and data centre facility in Grange Castle, Dublin. The customer has requested gas at line pressure of 70 barg. As such, the maximum operating pressure for both the inlet and outlet of this AGI is 70 barg, and the associated minimum operating pressure is 50 barg. The AGI will have a design pressure of 85 barg.

The customer development is permitted under Planning Ref. SDCC Reg. Ref. SD20A/0058, amended by Reg. Ref. SD25A/0135W relating to the Power Plant development and including the AGI, and SDCC Reg. Ref. SD20A/0324 for the ICT Facilities.

The summary of works required is as follows:

Gas to Milltown Pipeline:

- The new c. 1.175km long, 400mm diameter, 85 barg Gas to Milltown Pipeline will connect to the recently consented Gas to Microsoft, Grange Castle Pipeline 1 & 2 at the Ballybane offtake.
- The Pipeline will travel west and enter the Old Nangor Road, followed by private South Dublin County Council lands.
- The proposed route includes a trenchless crossing under the Griffeen River.
- It then travels west across Peamount Road and terminates in the Customer facility in Milltown.
- Civil works to construct the pipeline including excavation, backfill and reinstatement.
- Testing and commissioning of the new pipeline.

Gas to Milltown AGI:

- Milltown AGI will be located on the Customer's premises at Milltown Grange Castle. This will be a 70barg prevailing pressure AGI with a load estimate of 600MW_{th} (65,100 SCMH)
- This AGI will consist of a Filtration System and Metering System.
- A chromatograph kiosk for gas quality sampling.
- An Electrical and Instrumentation ("E&I") kiosk.
- Pig trap inlet with associated concrete base supports.
- Associated civil works, security fencing & CCTV and Control & Instrumentation.

Gas to Milltown AGI – Mechanical & Electrical Works

- The station will be isolated from the Milltown Pipeline spur with a buried inlet insulation joint.
- A new outlet connection from the Milltown AGI will be provided to the Customer through the fence line 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 and Metering systems which will be configured to operate with a duty/standby configuration, allowing uninterrupted supply of gas during routine maintenance activities.
- 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 filter system, meter system and E&I equipment will be delivered and installed to site by a third-party vendor and installed by the works contractor.

Gas to Milltown 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, E&I kiosk, Chromatograph Kiosk 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.

The Gas to Milltown Pipeline and Gas to Milltown AGI (Gas to Bulmer, Grange Castle) project will be designed, constructed and operated in accordance with I.S. 328:2021 for gas transmission pipelines and pipeline installations.

3.0 Design

The Gas to Milltown Pipeline project 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 Gas to Milltown Pipeline is 85bar. The steel grade of the new Pipeline is L450, and the wall thickness is 14.3mm. 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 Gas to Milltown Pipeline is 40 years.

The external coating of the Gas to Milltown Pipeline is a 3-layer polyethylene system (polypropylene pipe may be used where suitable). 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 Gas to Milltown Pipeline will be used to transport natural 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 December 2026. In order to deliver to this programme, a decision regarding this Section 39A consent application is required by May 2026.

5.0 Capital Expenditure

The current budget for the Gas to Bulmer, Grange Castle Pipeline for Section 39A application is [REDACTED]. The budget will be updated following receipt of construction tenders.

This will be a 100% customer funded project as per the executed LNCA with the Customer.

The LNCA provides that the Customer must provide financial security to GNI for the development and construction cost of the project.

The financial position of GNI as set out in the Bona Fides in relation to this project has not changed since the Bona Fides was certified.

The ongoing procurement process and associated contract awards are compliant with procurement regulations / GNI policies and procedures for the Gas to Bulmer, Grange Castle project.

6.0 Environmental Considerations

An Appropriate Assessment (“AA”) Screening Report (**Appendix C**) has been completed for the Gas to Milltown 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 (“EIA”) (**Appendix C**) has also been completed for the Gas to Milltown Pipeline in accordance with the most relevant guidance and legislation. The EIA documents the assessment of the potential environmental impacts of the pipeline, an evaluation of measures to mitigate or avoid any adverse impacts and the residual effects on the environment (the effects after the implementation of mitigation measures). The EIA 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, Climate; Noise and Vibration; Landscape and Visual; Archaeological, Architectural and Cultural Heritage; and Material Assets (including Traffic and Transportation, Waste, and Utilities). The project EIA 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 Milltown AGI and the permitted Data and Power Hub Services Limited energy centre). This EIA 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 EIA.

Appendix A

Doc. / Drg. No.	Title	Rev
Drawing Register		
Gas to Milltown (Bulmer) Section 39A Application Issue Drawings		
1587-DG-PLG-0001-01	Site Location Map	0
1587-DG-PLG-0002-01	Pipeline Route Index Map	0
1587-DG-PLG-0003-01	Site layout Map Sheet 1 of 3	0
1587-DG-PLG-0003-02	Site layout Map Sheet 2 of 3	0
1587-DG-PLG-0003-03	Site layout Map Sheet 3 of 3	0
1587-DG-PLG-0004-01	Site layout Map Sheet 1 of 3	0
1587-DG-PLG-0004-02	Site layout Map Sheet 2 of 3	0
1587-DG-PLG-0004-03	Site layout Map Sheet 3 of 3	0
1587-DG-PLG-0005-01	Site layout Map Sheet 1 of 3	0
1587-DG-PLG-0005-02	Site layout Map Sheet 2 of 3	0
1587-DG-PLG-0005-03	Site layout Map Sheet 3 of 3	0
1587-DG-PLG-0006-01	Typical 3 rd Party Service Crossing	0
1587-DG-PLG-0007-01	Typical Reinstatement Detail	0
1587-DG-PLG-0008-01	Temporary Construction Compound 01	0
1587-DG-PLG-0009-01	Temporary Construction Compound 02	0
1587-DG-PLG-0010-01	Temporary Construction Compound 03	0
1587-DG-PLG-0011-01	Griffen River Crossing Plan and Longitudinal Section	0
1587-DG-PLG-0012-01	RDX at Peamount Road R120 Plan and Longitudinal Section	0
1587-DG-PLG-0013-01	New Nangor Road R134 RDX Plan and Longitudinal Section	0
1587-DG-PLG-0014-01	Baldonnell Stream Crossing Plan and Longitudinal Section	0
GNI-13403-003-01	Milltown AGI Mechanical Arrangement	5

Appendix B

- 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

- Environmental Impact Assessment Report (4 volumes incl. appendices)
 - Vol. 1 Non-Technical Summary,
 - Vol. 2 Main EIAR Report,
 - Vol. 3 EIA Appendix,
 - Vol. 4 EIAR Figures
- Appropriate Assessment Screening
- Water Framework Directive Assessment
- Site Specific Flood Risk Assessment