



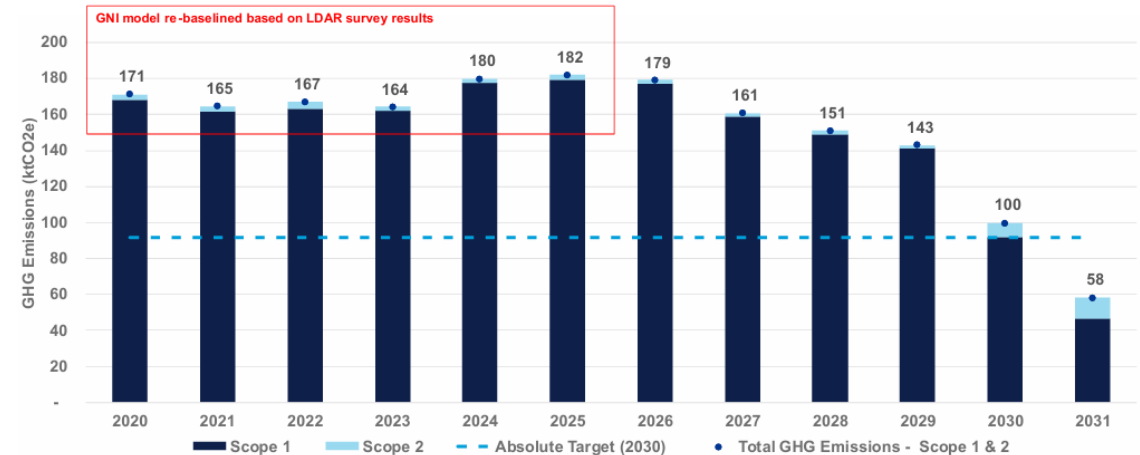
Gas
Networks
Ireland



GNI Sustainability Roadmap

2025 / 2026 Project Overview

- Financed by CRU Innovation Fund / supported by Sustainability
- 5 workstreams
 - Compliance Obligations
 - Evaluation of Studies
 - Decarbonisation and Energy Use
 - Biodiversity / Nature
 - Organisation & Governance



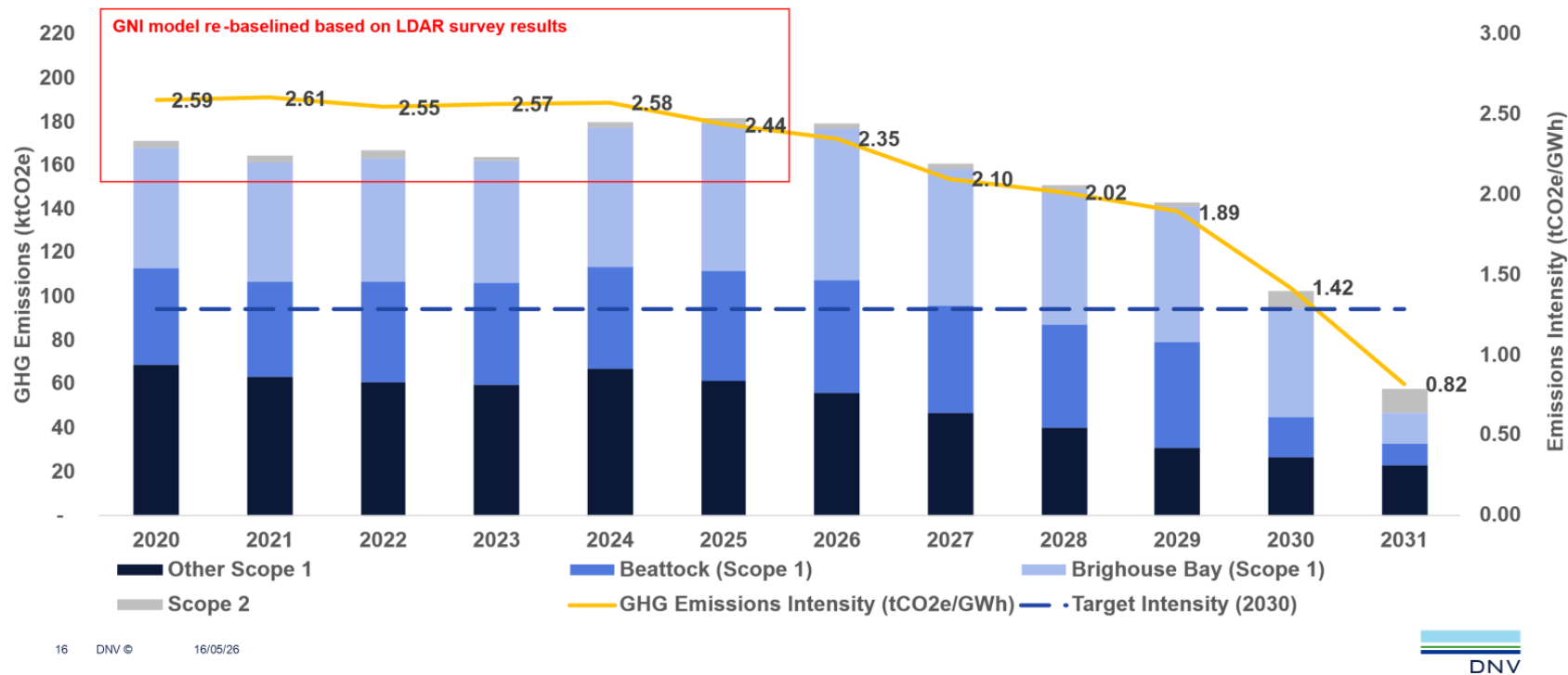
Confirms that GNI plans will enable us to achieve > 51% reduction in emissions by 2031

Key risks include electrification timeline, grid capacity, and regulatory alignment

Headline:

*"GNI is on track to meet/exceed targets by **2031**: Early methane actions + operational efficiency now; Compressor electrification in 2030; Green PPA closes 2030 gap; "*

Decarbonisation Glidepath



Major Levers Considered

- Electrification of Beattock
- Electrification of Brighthouse Bay
- Reduced venting @ compressor stations
- Methane Emissions Abatement (LDAR & Recompression)

Minor Levers Considered

- Seasonal Gas Pressure
- Valves & Regulators
- GNI Fleet
- AGI Heatpumps
- Optimising AGI heating
- Update Electrical Equipment

Securing a Green PPA to fully cover Scope 2 electricity consumption would enable GNI to meet their 2030 target

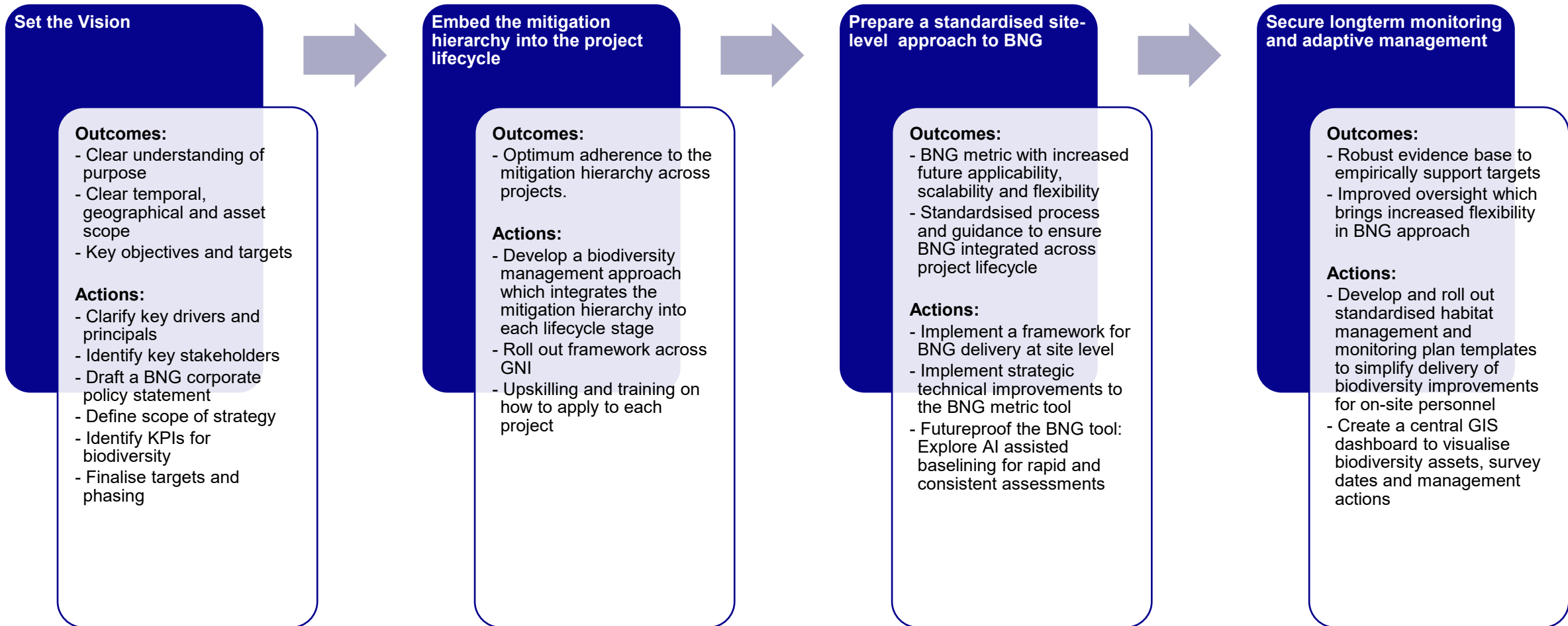
**A reduction factor of 62% was applied to re-baseline GNI's fugitive methane emissions*



Gas
Networks
Ireland



Biodiversity Impact Report





Gas
Networks
Ireland



Decarbonisation Recommendations

Subtext goes here

Footer goes here

Decarbonisation Recommendations



Prioritise low-cost methane abatement

now: Accelerate LDAR deployment and venting reduction measures



Plan for electrification

readiness: Ensure grid capacity, procurement strategies, and operational contingencies are in place.



Embed circular economy

principles into asset design & procurement standards as standard including refurbishment, take back agreements and minimising use of steel



Deploy digital capabilities:

Consider digital platform to optimize pressure management, compressor scheduling, and leak detection.



Manage Scope 2 growth proactively:

Pair electrification with renewable sourcing and energy efficiency



Carbon capture and storage (CCS) – strategic exploration:

prioritise the exploration of the potential role of CCS



Shadow price of carbon and the social cost:

integrate the shadow price of carbon and the social cost of carbon into evaluation process.



Engineering Design Manual update:

Add a mandatory Energy & Emissions Design Review chapter and CE design rules (disassembly, material passports, isolation strategy, recompression interfaces).



Implement seasonal gas pressure optimisation

across the network, supported by planning, dispatch and site-level adjustments.



Function Managers –

Line management should be responsible for implementing /improving sustainability performance effectively in their area of activity.