



# Peterborough Compressor Station

Update on ERP3 improvement project and  
introduction to the next phase of works (MCPD Project)

Glinton Parish Council

18th June 2024

19:00



# Agenda

1. ERP3 - Project Update
2. MCPD – Introduction, Background & Progress to Date
3. MCPD – Project Progress & Highlights
4. Community Engagement Approach
5. Q&A

# ERP3 Emissions Reduction Project

Project Update





# MCPD Compressor Emissions

Introduction, Background & Progress to Date

# Introducing the MCPD Project Team



Shivani Nana (External Affairs Lead)



Steve Fox (Community Liaison, IPB Communications)



Darren Christie (Project Director, Major Projects)



Huw Riley (Senior Project Manager)



Chris Bligh (Lead Project Manager)



David Everitt (Operations Area Manager)



Chris Toon (Peterborough Operations Engineer)

# What is MCPD and why does it impact Peterborough?

National Gas Transmission (NGT) is committed to helping reduce the UK's impact on the environment – central to this are the investment projects at Peterborough.

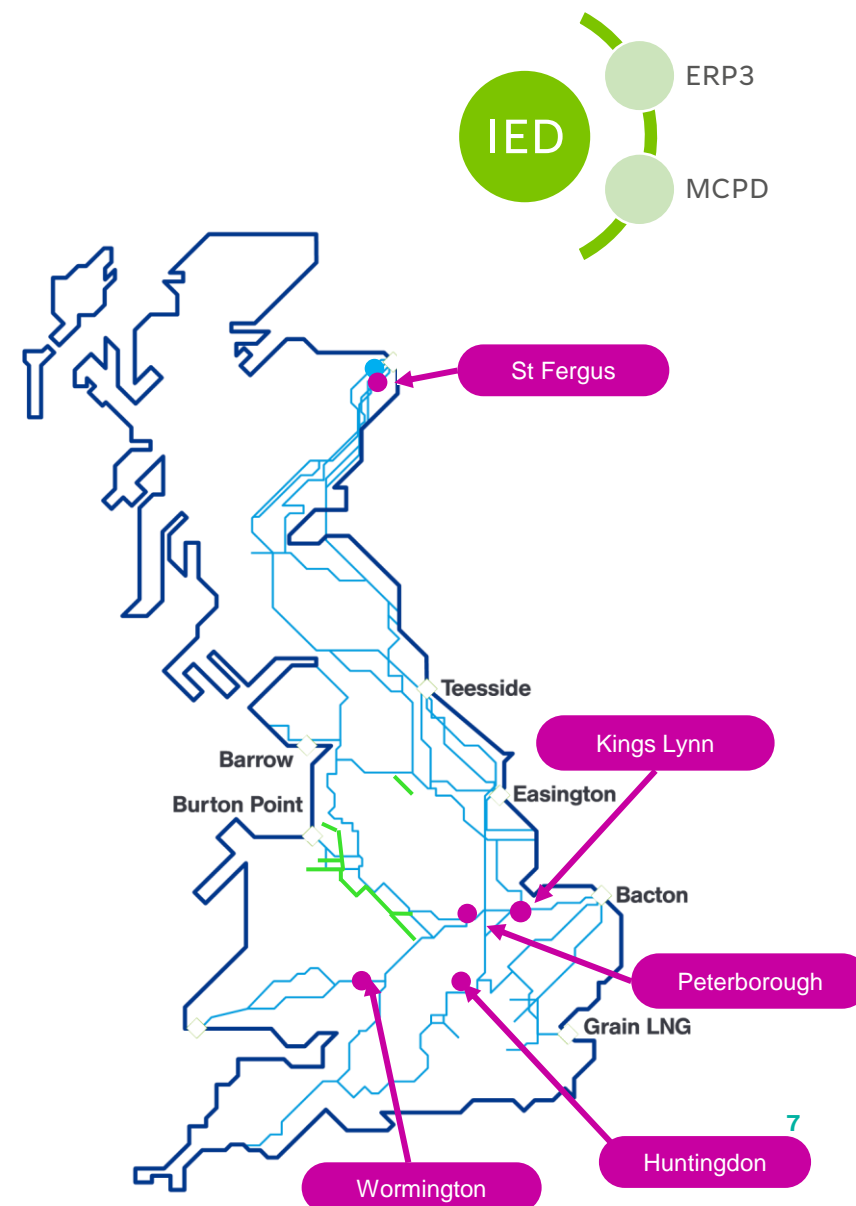
The **Industrial Emissions Directive (IED)** sets industrial air emission standards for the UK and NGT are required to comply with this legislation.

Under this legislation, planning permission was granted for three new compressor units but only Units D & E were installed in 2019 under the “**Emissions Reduction Project 3 (ERP3)**”.

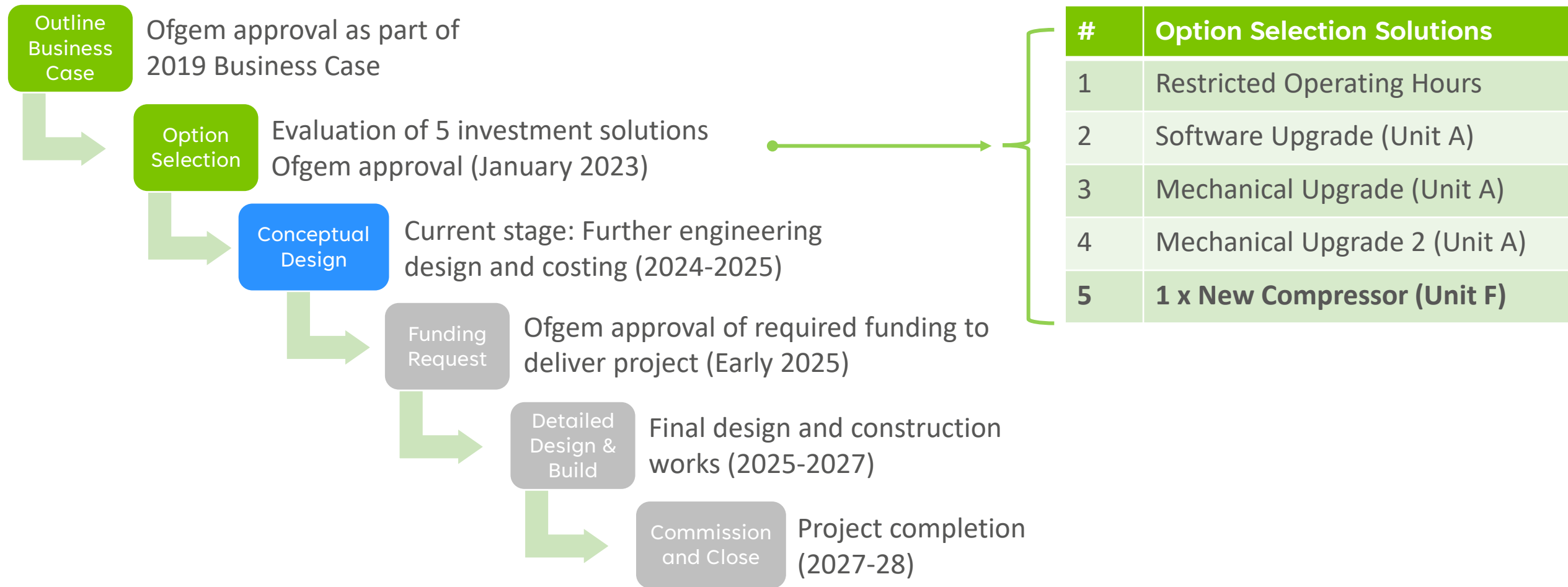
**Medium Combustion Plant Directive (MCPD)** legislation goes further again to control emissions of sulphur dioxide (SO<sub>2</sub>), nitrogen oxides (NO<sub>x</sub>) and dust on medium sized compressor units.

Peterborough is one of 5 priority MCPD sites agreed with Ofgem for future investment

**Key Takeaway:** Peterborough Unit A does not comply with MCPD. This legislation comes into effect by 1<sup>st</sup> January 2030. NGT will install a new compressor (Unit F) to replace the existing Unit A.



# NGT Engagement with Ofgem (Our Regulator)



See slide 12 for high-level programme.



# Peterborough Compressor Station Overview

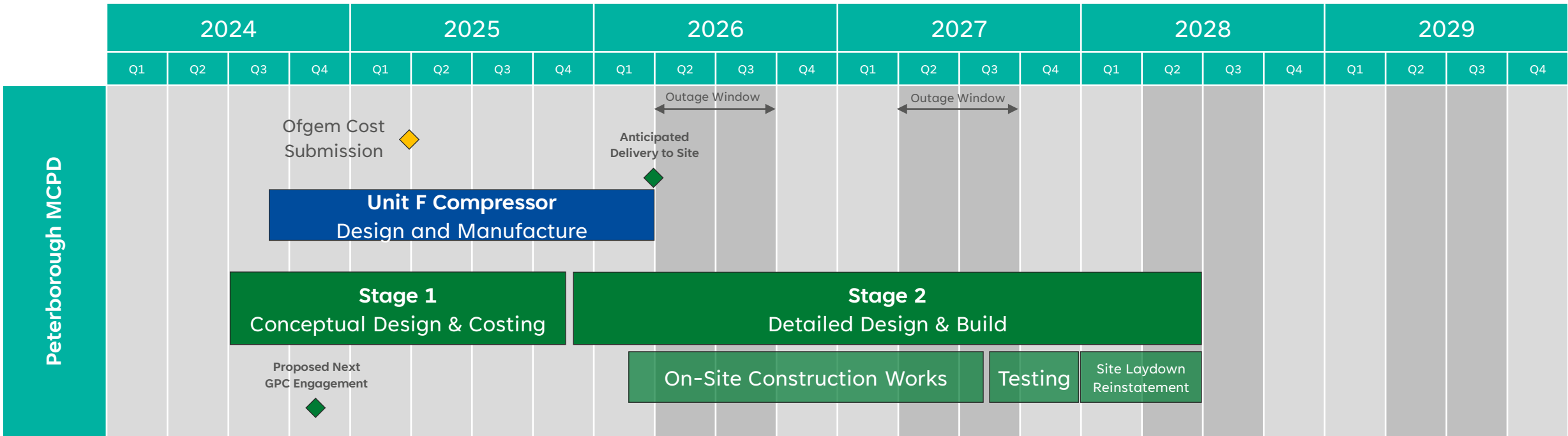


# MCPD – Planning Requirements

- Planning permission was granted in April 2016 by Peterborough City Council (reference 16/00398/FUL):
  - *“Three new gas compressors and enclosures, a new vent stack, site office, administration and welfare buildings and associated infrastructure”*
- The design of Unit F will be consistent with Unit D & E installed under ERP3 project and so approved planning permission remains valid.
- What if the Unit F design changes?
  - Should the design change, a planning variation request will be submitted to Peterborough City Council and NGT will consult with Glinton Parish Council in line with planning conditions
- MCPD project letter to be issued to Peterborough City Council following this engagement.

# Peterborough MCPD – High-Level Delivery Plan

Updated: 17-Jun-2024



# MCPD Compressor Emissions

## Community Engagement Approach



# Community Engagement Approach

11-March-23: Parish Council site visit Peterborough Compressor

19 March: Parish Council Update


May: Supported GintonFest

18-June: Parish Council Update

20-27 June: Community letter issue

NGT request feedback on local initiatives and school engagements which we can support with





### Community Grant Fund

National Gas's Community Fund flows to the heart of communities the UK. We're proud to contribute to charitable investment in our local areas.

We support projects focusing on social, economic and environmental benefits run by charities and community groups that meet local needs.

All applicants must clearly demonstrate in their application that they are impacted by National Gas Transmission's operations to meet the criteria for a community grant.

We do not accept direct applications from National Gas employees. We welcome our colleagues' support in promoting our Community Grant to causes and communities that could most benefit.

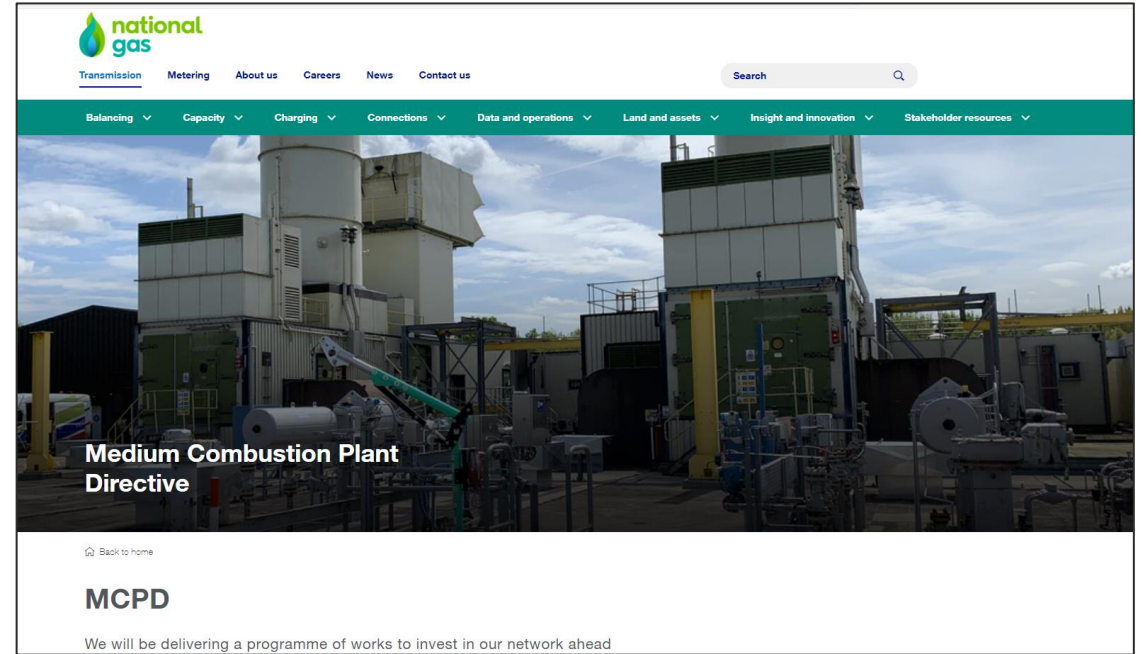
[Click here to apply for community funding from National Gas](#)

# How to find out more

- You can visit our project website at <https://www.nationalgas.com/mcpd>
- We will be reaching out at various points on the project with updates

## Contact us

- Telephone 0800 8199 071 (our team are available 9am-5pm Mon – Fri, answerphone service on a weekend)
- Email: [contact@communityrelations.uk.com](mailto:contact@communityrelations.uk.com)

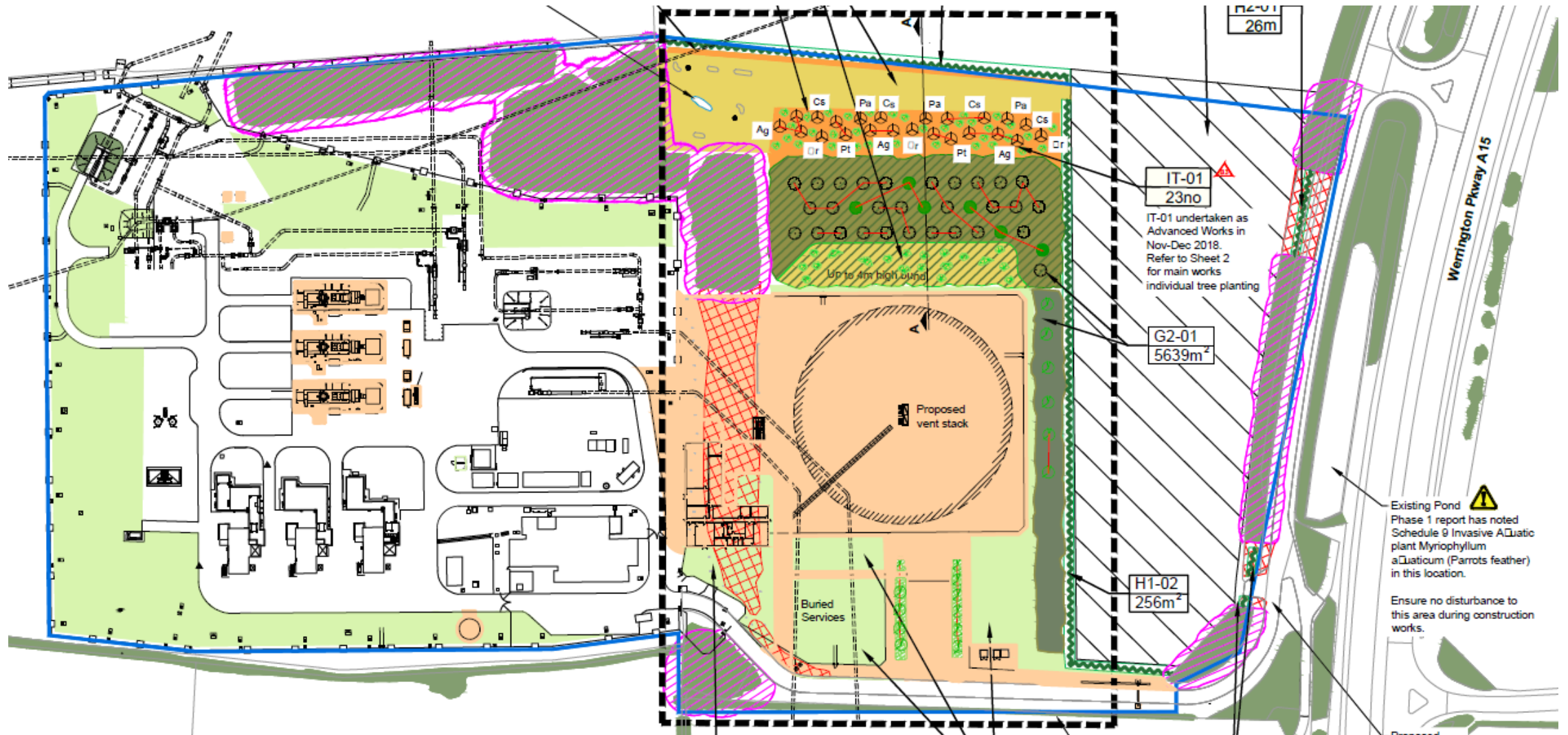


**Thank You**

**Any Questions for the Team?**



# Peterborough Site Landscaping Plan

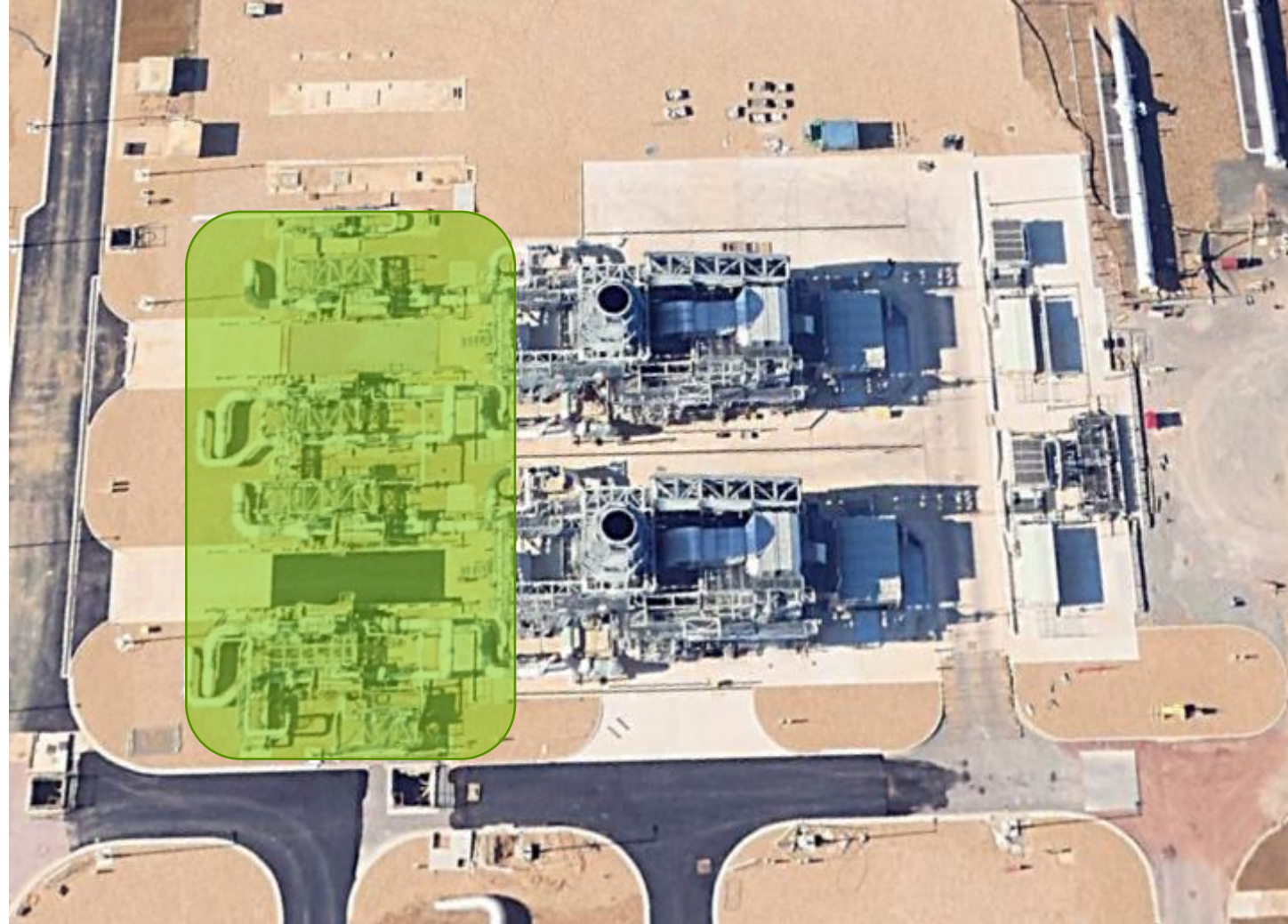




# Unit F – Noise Mitigation Measures

MCPD Project exploring design opportunity to bury above ground pipework

Unit D/E pipework was placed above ground due to safety concerns relating to below ground access pits

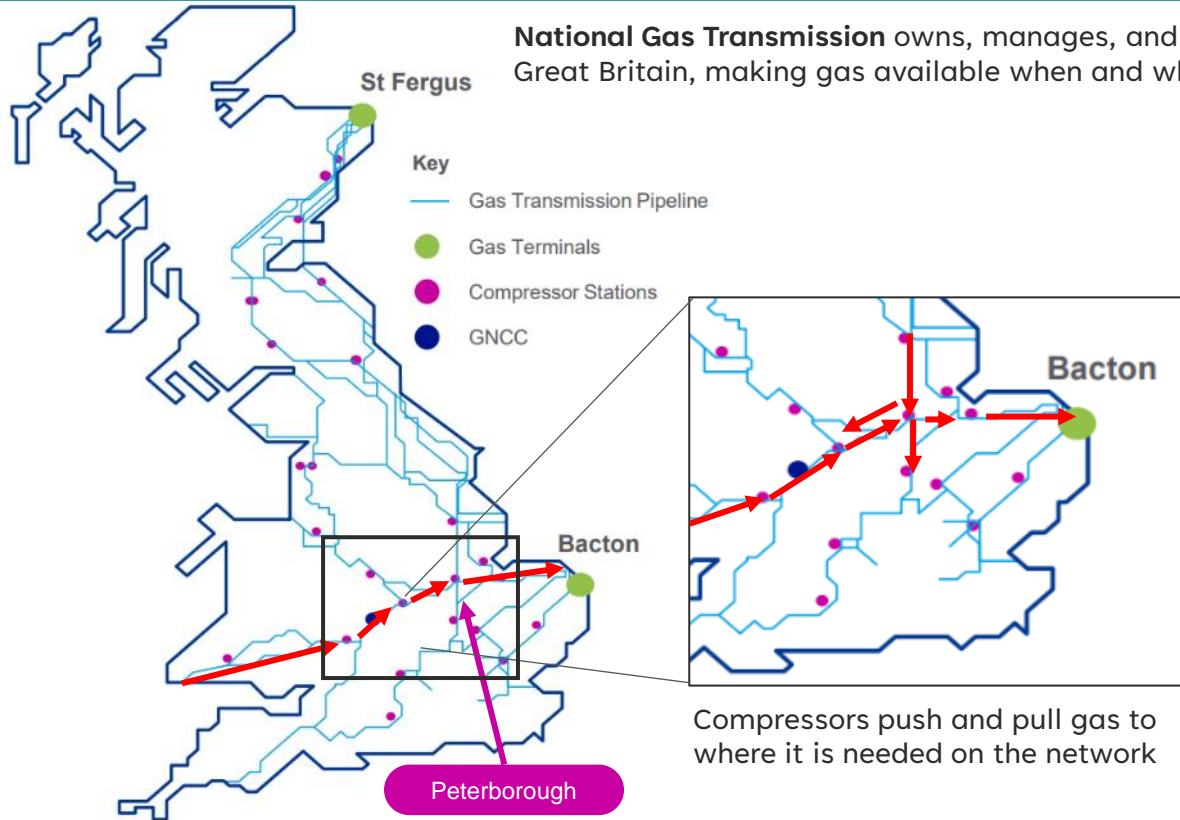


# National Gas Overview

## Our essential role in keeping Britain's homes warm and its industry moving



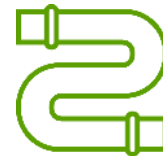
**National Gas Transmission** owns, manages, and operates the National Transmission System (NTS) in Great Britain, making gas available when and where it's needed.



**23** compressor stations & 71 compressors



**>40** Power Stations & Large Industry users supplied



**7,660km** network length



**~530** above-ground installations (AGIs)



**8** connected distribution networks



**Gas National Control Centre (GNCC)**

In 2021...

About

**42%**

of the country's energy generated by gas

**23m**

British homes used gas for heating

**25%**

of industry used gas to power manufacturing operations

Source: [Digest of UK Energy Statistics](#)

# NGT's Environmental Strategy

NGT is at the heart of one of the greatest challenges facing our society today – delivering clean energy to support our world far into the future. We will do this by developing the green gas system of tomorrow, while delivering the natural gas needs of today.

We have a number of short-term and long term targets to help us to progress towards this green future:

## Short Term

- Investment in our compressor fleet to reduce emissions from our older, less efficient units (**MCPD legislation**)
- Trialling new technology to modify our existing units to reduce NOx emissions
- Stretching our construction sustainability targets (carbon neutral construction, zero waste to landfill, increased use of recycling, etc.)

## Long Term

- Future Grid Project: Isolated test site to trial introduction of hydrogen onto the NTS
- Project Union Project: Connecting hydrogen industrial clusters with dedicated pipelines across the UK