

UKOPA

United Kingdom Onshore Pipeline Operators' Association



Energy Resilience Coordination Across Government and Industry

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Whole Energy System Resilience Team

National Gas Transmission

Engagement with Partners on Resilience

- Contributing to various energy sector work groups on resilience
- Understanding impacts of National Power Outage on other areas of the sector
- Engagement with DESNZ, NESO, GDNs, and others

Electricity & Gas System Interdependencies

- Partnering with NESO on a tool to enable improved load-shedding decision-making in an emergency
- Partnering with NESO to enhance understanding of impacts of response actions on gas & electric systems

NGT System Resilience

- Facilitating internal discussions on strengthening resilience
- National Power Outage planning for the NTS
- Supporting hydrogen emergency management frameworks

Energy Resilience Group

Purpose: *Demonstration to senior ministers that energy sector security, resilience and reliability is prioritised, both now and through the energy system transformation and that potential/actual energy disruptions are mitigated, and that response and recovery mechanisms are in place.*

Supporting DESNZ through the review and update of National Security Risk Assessments (NSRA);

Reviewing the security and resilience of the energy sector against the energy system evolution, environmental developments, changes in threat assessments and societal changes;

Review seasonal outlook reports from the Gas System Operator (GSO) and the National Energy System Operator (NESO);

Review NESO reports into incidents to identify lessons learnt and actions that could be developed and delivered by ERG;

Review the preparations and outcomes of the annual National Emergency Coordinator (NEC) exercise.

Task Groups

- Electricity Task Group
- Gas Task Group
- Cyber Task Group
- Security Task Group
- Electricity and Gas Resilience Interactions Task Group
- Strategic Telecoms Task Group
- Communications Task Group
- AI Task Group

Exercise Fahrenheit Learning Points

Load Shedding (Gas Task Group)

1. Work will now commence on the classification, and therefore position in the load shedding hierarchy, for industrial connections which provide heat to domestic consumers.

Gas and Electricity Interactions (Electricity and Gas Resilience Interactions Task Group & Electricity Task Group)

1. A full and detailed review of the process for sequencing the direction for a gas fired generator to cease taking gas without triggering electricity system instability is required.
2. NGSE declarations should be clear, comprehensive and wide reaching across both the gas and electricity sectors.
3. The most appropriate process to deliver NEC directions to gas fired generators should be determined, with input from generators and NESO.

Gas Task Group

Classification of Industrial Connections Providing Heat to Domestic Consumers

There are sites in the Local Distribution Zones (LDZ) which are classified as industrial but provide heat to domestic consumers. There is an equity concern for domestic customers receiving heat from such a system being unfairly deprioritised in a response.

Agreement reached between NGT, GDNs, HSE and DESNZ to progress with the creation of a new priority consumer category – Category D. Change proposal submitted and agreed with Xoserve and progressing through design and industry consultation phases with proposed implementation in summer 2026.

Learning Points

1. Work will now commence on the classification, and therefore position in the load shedding hierarchy, for industrial connections which provide heat to domestic consumers.

Electricity & Gas Resilience Interactions Task Group

NGSE Gas Fired Generation Load Shedding procedure

It is necessary to establish a sequenced and controlled approach for directing gas-fired power generators to cease gas consumption, in a manner that preserves the stability of the electricity system. Furthermore, it is essential to define the appropriate procedures through which the Network Emergency Coordinator (NEC) can issue such directions to gas-fired generators.

NESO and NGT are collaborating on more effective direction notice language related to load shedding ahead of Exercise GLACIER. We are continuing to improve a NESO-owned tool to determine appropriate power generators to load shed in an emergency without impacting either gas or electricity system stability.

Learning Points

1. Continue to mature cross organisational appreciation of the lead times involved in key response actions.
2. There is a requirement for enhanced analysis of the implications of electricity demand control on the gas network's demand and physical operation.

Electricity & Gas Resilience Interactions Task Group

Emergency Coordination

When response actions for gas or electricity lead to actual or potential impact to the whole energy system, beyond the control of the responding organisation, there is currently not one coordinating body with the necessary authority to oversee this response, make whole energy system decisions and issue necessary directions.

DESNZ is engaging with members of EGRIT on the appropriate scope for one coordinating body to issue directions in a response with impacts to the whole energy system.

Learning Points

1. NGSE declarations should be clear, comprehensive and wide reaching across both the gas and electricity sectors.

Electricity & Gas Resilience Interactions Task Group

Review of Electricity Demand Disconnection on the Gas Assets and System

This project is looking to understand the impact of Electricity Demand Control actions on the Gas Network. The outcome should enable a better understanding of the whole-system implications of enacting response actions on the electricity system.

The REDDGAS Project is in its infancy and therefore in the process of defining gaps for future analysis. Engagement has taken place to outline a set of working assumptions of the impacts, and cursory engagement has taken place to begin establishing and confirming these assumptions. Looking ahead, the REDDGAS project will seek to undertake a study to formalise the impacts of enacting Demand Control.

Learning Points

1. A full and detailed review of the process for sequencing the direction for a gas fired generator to cease taking gas without triggering electricity system instability is required.
2. The most appropriate process to deliver NEC directions to gas fired generators should be determined, with input from generators and NESO.

Exercise GLACIER

DATES: 13, 14, 21 October 2025

Exercise GLACIER is the Gas Industry's annual Network Gas Supply Emergency (NGSE) Network Emergency Co-ordinator (NEC) assurance exercise.

The aim of this exercise is to demonstrate that the Gas Industry is prepared and able to meet its obligations in the event of a Network Gas Supply Emergency (NGSE). This will be demonstrated by effective two-way communication processes across the industry and its stakeholders; timely and accurate information being shared between participants; and effective emergency strategies being produced and implemented.

The exercise will simulate a series of supply losses to trigger an NGSE.

Exercise GLACIER will look to test that both gas and electricity participants can appropriately respond to a gas supply shortage which has electricity system implications. This will include active participation from NESO and the Electricity Distribution Network Operators.

Questions and Thank You

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