

Can We Minimise Unplanned Supply Interruptions?

EIP030 (NGN)

28 February 2023

Background

- During Yr1 of RIIO-GD2, for NGN the average unplanned gas supply interruption duration was 5 hours across a total 10,778 interruptions. Unplanned Gas Supply Interruptions are commonly caused by Network Supply Issues (Poor Pressure, Water Ingress), Third Party Interference Damage & Unforeseen Network Interruptions during REPEX Activities
- There is an appreciation also that during any future gas network conversion activities, there will be an increase in excavation activities within the vicinity of buried utilities, increasing the risk of damage and subsequent interruption
- Gas Supply Interruptions have significant impacts across all customer bases; however, it is known that supply interruptions have a greater detrimental impact for Customers in Vulnerable Situations
- NGN are seeking a greater understanding of what future energy system supply interruptions may involve and how we can work to minimise and eliminate future supply interruption

Enablers and Constraints

- Enablers to this will be existing data sets of previous interruptions and predictions for the impact future grid
- No previous projects that primarily focus on developing a greater understanding of future unplanned interruption scenarios & the support required for customer in vulnerable situations
- Key constraints to this problem are the lack of knowledge on how the gas network will look in the future energy system

Involvement and Implementation

Key Stakeholders

- Other GDNs, DNOs, Customer Vulnerability Groups

Target Market

- Technology Partners

Target Implementation Date

- RIIO-GD3 and beyond, dependant on proposals. Solutions could be scalable across Network Operations, Investment Planning, Strategy & Customer Safeguarding Initiatives

Energy Innovation Basecamp

28 February 2023
ICC Birmingham

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