UNC 0719R:
Calculation of Energy Value of Gas

Proposer: SGN

Panel Date: 19th March 2020

Why change?

The UNC Offtake Arrangements Document (OAD) describes arrangements for calculating the energy value of the gas in the network.

A review is required as:

- The growth of biomethane injection into GDN networks at directed sites that require calculation of energy values.
- Consideration needs to be given to the process for attributing CV values from one offtake to another should equipment fail.
- The current UNC OAD obligations provide for a notice period to be served on the GDNs by NGG for the termination of the service to calculate Flow Weighted Average Calorific Values.
- Whether the UNC OAD obligations sit with the correct party/parties.

Both GDNs and NGG have an interest in the FWACV calculations. GDNs need to declare the Flow Weighted Average Calorific Value (FWACV) and NGG need the data to calculate Calorific Value (CV) shrinkage and CO_2 emissions from NTS compressors.

Options

A Review is proposed in order to identify the most appropriate way for the FWACV process to be managed going forwards, including consideration of cost, timescales and overall efficiency for the industry.

GDNs and NGG have already identified four potential options, which will form the basis of this Review scope…

Solution

Potential solution options for assessment:

- Option 0 (current arrangement)

    National Grid Gas continues to provide a centralised service to the industry.

- Option 1

    GDNs take responsibility for the service and use Xoserve to provide a centralised service and publish the information on a centralised web site.

- Option 2

    GDNs take responsibility for the service and use a third party provider or complete the work in house and publish the information on a centralised web site.

- Option 3

    Each party performs the functions that naturally fall to them and exchange information as required.

Recommended Steps

- The Proposer recommends that this Review should be:
  - Issued to the Offtakes Arrangements Document workgroup