



UNC 0XXR - AQ Correction Process Review MI Pack



Overview

- **Introduction**
- **Background**
- **Scope of Review:**
 - Current AQ correction process (and analysis)
 - Existing eligible causes (reason codes) set out within UNC (and analysis)
 - Validation currently set out within TPD G2.3 for each eligible cause
 - Consideration of further eligible causes
 - Further considerations
 - Current backstop date which an AQ correction introduces
 - Role of Performance Assurance Committee (PAC) in monitoring and or potentially validating AQ corrections
 - Consider the need for remedies or resolution where there has been incorrect use of AQ corrections process
- **Appendix:**
 - Terminology
 - AQ Process flow

Introduction

- This slide deck will demonstrate how the AQ correction process has been used by the Industry to challenge the current Rolling & Formula Year AQ/SOQ values in UK Link
- All accepted AQ correction submissions received between '01/08/2018* to 01/05/2021' have been included in this analysis provided by Correla.
- This analysis has been pulled together to support the scope of the AQ correction Review and highlight the areas of focus.

**Please note that data prior to 01/08/2018 cannot be included as it is not held within the relevant data table required to carry out this analysis.*

Background

- The automated AQ correction process was introduced at Project Nexus (PN) implementation.
- PN introduced concept of AQ (known as 'Rolling AQ') and the Formula Year AQ (for Class 3 and 4 SMPs only).
- Prior to PN the AQ process was an annual review where the Shippers had a period of time to review the CDSP AQ calculation and submit AQ Proposals.
- The AQ correction process was available to Shippers prior to PN but was only available for the following reasons:
 - Change of plant
 - [others]...
- The AQ corrections is available to the Registered User (Shipper) of a Supply Meter Point (SMP), to challenge the current Rolling & (where applicable) Formula Year AQ/SOQ
- Following acceptance of the AQ Correction this will:
 - Set the AQ for a minimum of 9 months – as a backstop prevents this being calculated and
 - Set the FYAQ for at least 9 months, the FYAQ will only be amended by the normal annual process – i.e. the 'Rolling' AQ in December would be used to set the FYAQ from the subsequent April
- There are four bespoke reason codes (eligible causes), with set criteria for each outlined in UNC (these are covered later within the slide deck)

AQ correction – Process steps

The following process steps are how an AQ correction request is made:

- Requests are submitted via the UK Link system in the form of an .AQI (C41) file and record through the IX
- The User will then receive a notification in the system as to whether that request has been accepted or rejected. The response is issued via the IX in the form of a .AQR (C43) file and record
- The new AQ value will apply from the first of the month following acceptance of the new value
- If the correction submission is accepted after M-15 (the AQ correction submission deadline), the new AQ/SOQ values will apply in 2 months' time. For example, an AQ Correction value accepted on 16 April will be applied on 01 June.



Current AQ correction process

AQ Correction Process Flow

AQ Correction monthly timeline:



- The above timeline details the monthly key dates used within the AQ Correction process
- M = the AQ go-live day (1st of the month)
- M-15 = the latest date an AQ Correction can be submitted prior to the next go-live date, in order to become effective from the start of the following month
- M-8 = the latest date which a submitted AQ Correction can be cancelled prior to next go-live date

Existing eligible causes (reason codes)

AQ correction reasons (Eligible Causes)

- Reason Code 1 – Theft of Gas
- Reason Code 2 – Change in Consumer Plant
- Reason Code 3 – Commencement of New Business
- Reason Code 4 – Tolerance Change

The below extract is within the C41 Record Format Document:

POSTCODE_INCODE	M	T	4	0	Standard PAF incode as defined in the PAF digest.
REQUEST_REASON	M	N	2	0	1 -Confirmed Theft of Gas, 2- Change in Consumers Plant, 3 - Commencement of a new business activity, 4 - Tolerance change, 5 - Winter Consumption
REQUESTED_ESTIMATED_AQ	O	N	15	0	Mandatory where REQUEST_REASON is 1 to 4

Eligible Causes in UNC (Reason Codes)

Eligible causes are detailed in TPD Section G:

2.3.21 For the purpose of paragraph 2.3.20 “**eligible cause**” means:

- (a) the confirmed theft of gas (which resulted in the metered consumption in the AQ Metered Period at the Supply Meter Point being less than the actual consumption);
- (b) the installation, replacement or removal of Consumer’s Plant which results in a material change in the basis on which gas is consumed; or
- (c) the commencement of a new business activity or discontinuance of an existing business activity at the consumer’s premises.

2.3.22 A Registered User may also request a change to the Annual Quantity of a Supply Meter Point where the Uniform Network Code Validation Rules prescribe the wider tolerance band referred to in Section M5.3.4(b) by reference to the Annual Quantity of the Supply Meter Point and;

- (a) the User submits a Meter Reading (“**Rejected Meter Reading**”) for such Supply Meter Point which fails validation because it falls outside the wider tolerance band, but which all other respects is Valid; and
- (b) the User is satisfied that the Meter Reading is valid (and would not fail validation if the Annual Quantity were so changed).

AQ correction reasons (Eligible Causes)

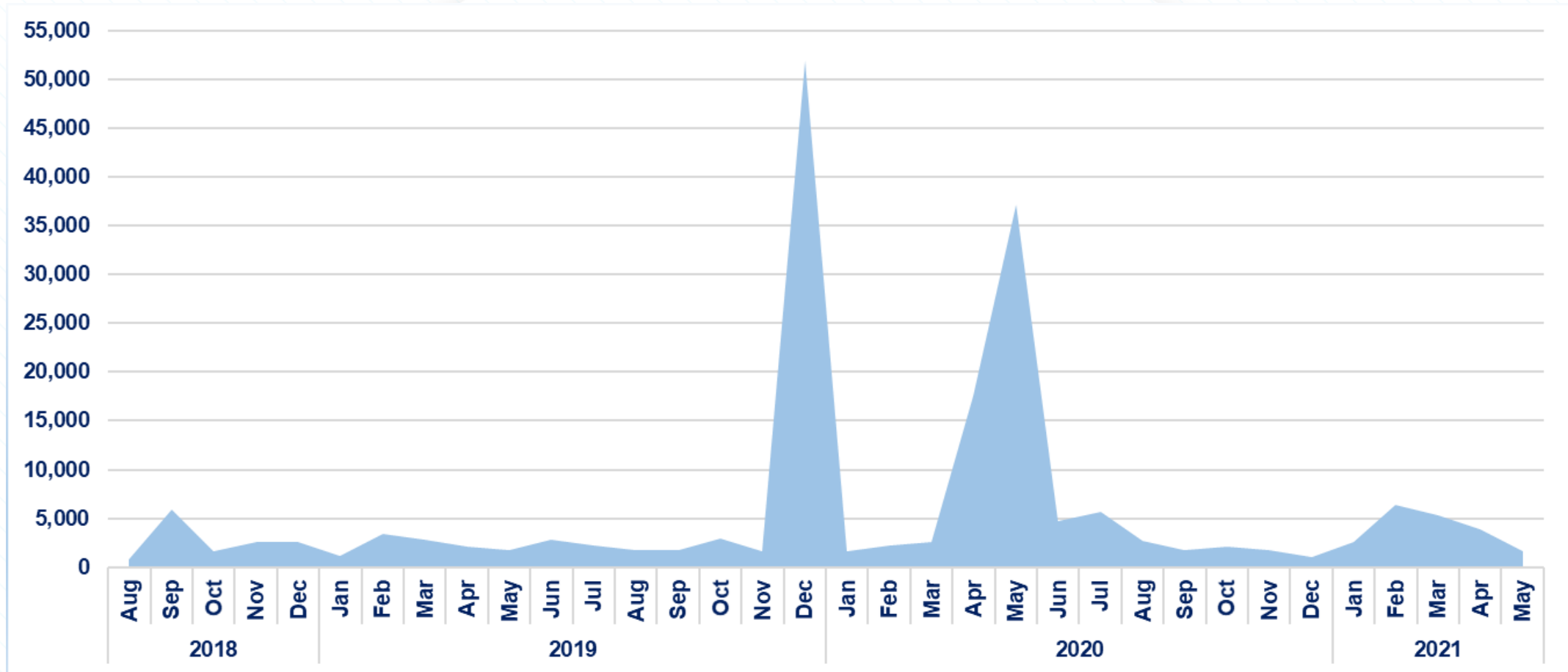
- **Reason Code 1 – Theft of Gas**
 - Subject to validation that there is a confirmed valid Theft of Gas contact exists for the AQ correction
- **Reason Code 2 – Change in Consumer Plant**
 - Mandatory system check to ensure 'Supporting Information' field to be populated
- **Reason Code 3 – Commencement of New Business**
 - System validation applied to verify that the confirmation effective date is within the previous 3 months of the AQ correction
 - Validation applied to check that the submitting User is not a 25% or more Affiliate with the previous User (introduced under Modification 0736)
- **Reason Code 4 – Tolerance Change**
 - System validation applied to verify that there is a U01 file present for that site or a system check that a U01 file would be created if submitted

AQ corrections process

- Do the Review Group have any questions or views on the current AQ Correction process?

Analysis of AQ Correction Utilisation

Total AQ Correction Submissions by Year/Month



AQ Correction Analysis Summary

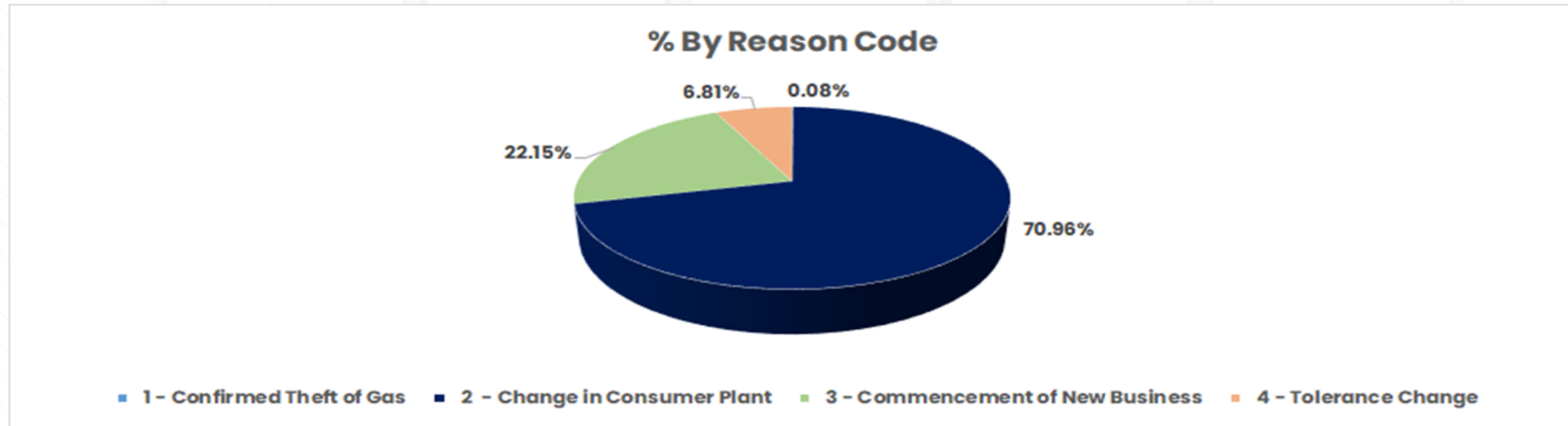
01/08/2018 - 01/05/2021

Total AQ Correction Submissions:	189,961
Total Corrections requesting an Increase in AQ:	30,261 (15.93%)
Total Corrections requesting a Decrease in AQ:	154,887 (81.54%)
Total Corrections requesting No Change in AQ:	4,813 (2.53%)

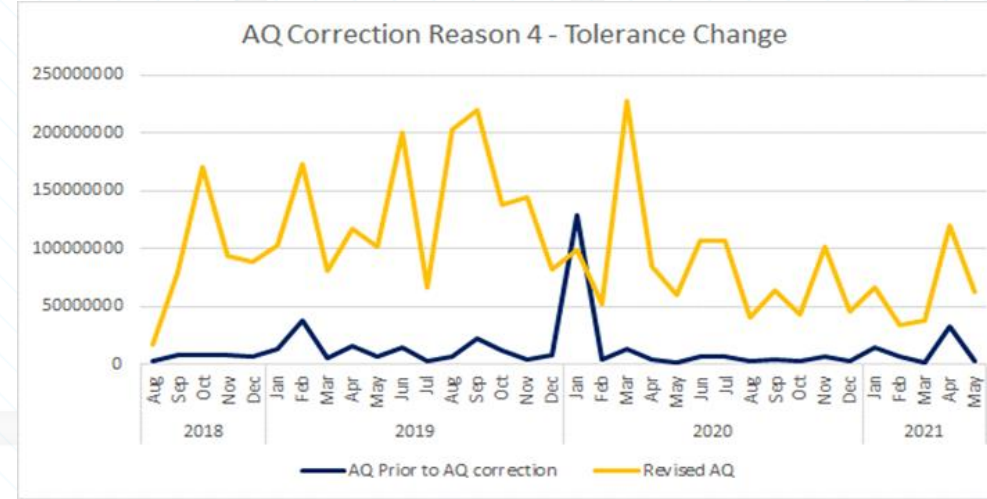
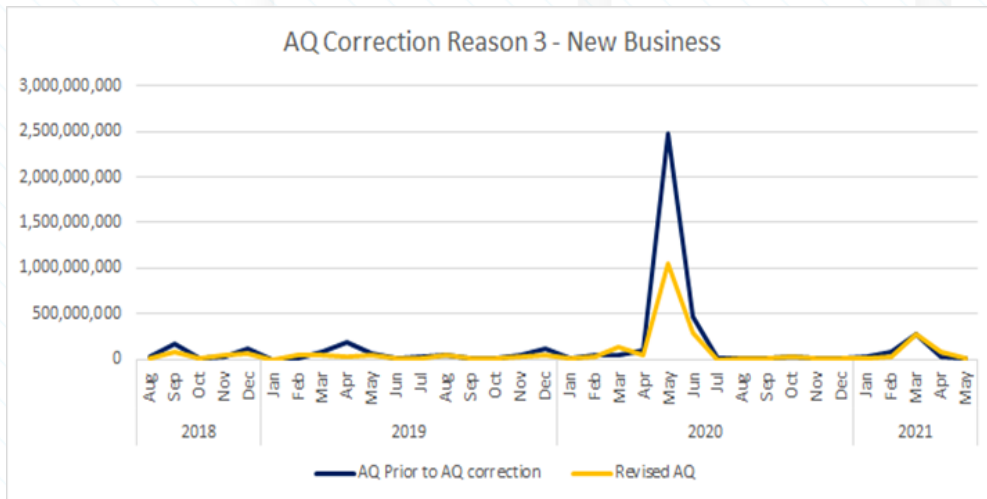
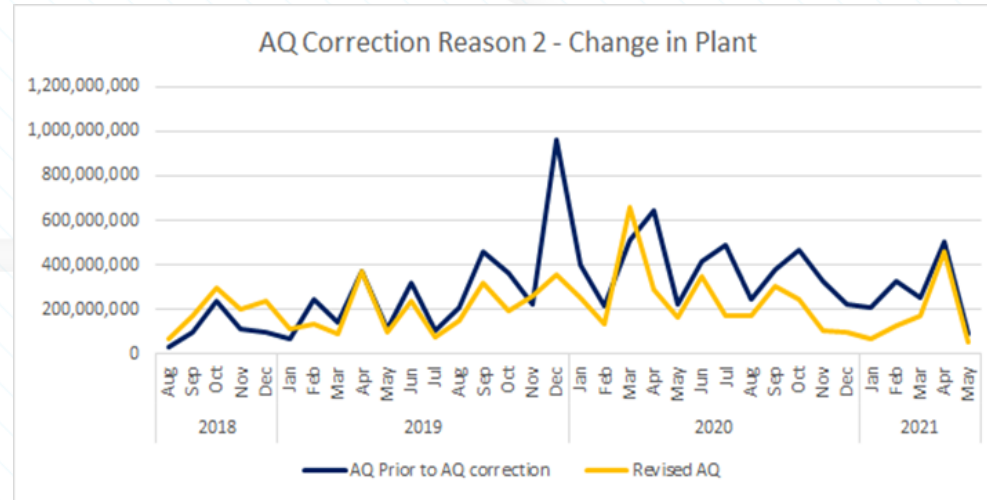
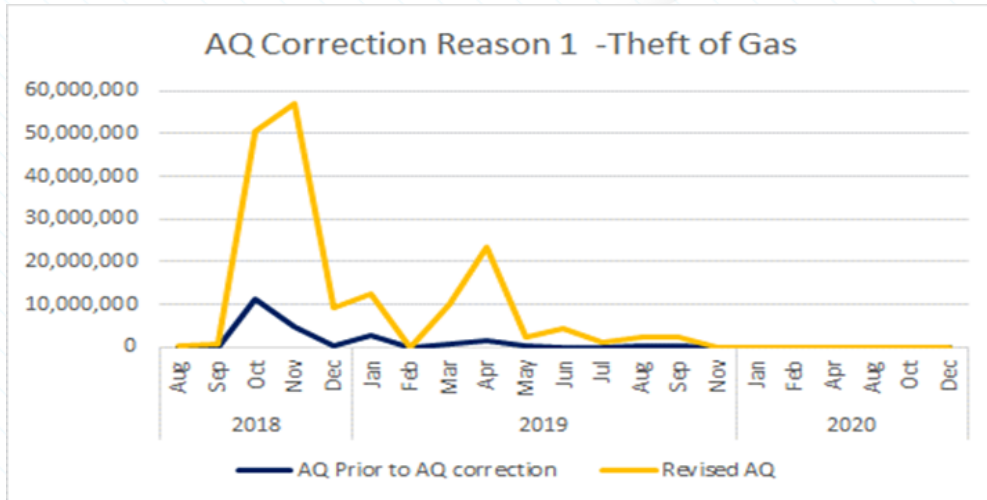
Total AQ pre AQ Corrections:	15,088,299,772
Total AQ post AQ Corrections:	13,327,030,411
Total Overall Change in AQ:	-1,761,269,361

AQ Corrections by Reason Code

AQ Correction Reason	AQ Corrections	% By Reason Code	Total AQ Prior to Correction	Total Revised AQ	AQ Change	% Change
1 - Confirmed Theft of Gas	155	0.08%	21,879,627	176,543,666	154,664,039	706.89%
2 - Change in Consumer Plant	134,790	70.96%	10,050,629,321	7,204,810,946	-2,845,818,375	-28.31%
3 - Commencement of New Business	42,071	22.15%	4,594,676,317	2,517,014,171	-2,077,662,146	-45.22%
4 - Tolerance Change	12,945	6.81%	421,114,507	3,428,661,628	3,007,547,121	714.19%
Total	189,961	100%	15,088,299,772	13,327,030,411	-1,761,269,361	-11.67%



Total AQ change by Month / Reason



Scope of the Review Group

AQ Correction Review Scope

- The AQ Correction Review Group was raised to consider the following questions:
- Scope of Review:
 - Current AQ correction process (and analysis)
 - Existing eligible causes (reason codes) set out within UNC (and analysis)
 - Validation currently set out within TPD G2.3 for each eligible cause
 - Consideration of further eligible causes
 - Further considerations
 - Current backstop date which an AQ correction introduces
 - Role of Performance Assurance Committee (PAC) in monitoring and or potentially validating AQ corrections
 - Consider the need for remedies or resolution where there has been incorrect use of AQ corrections process
- Are these the correct questions to consider?

Eligible Cause – Change in Consumer Plant (Reason Code 2)

- Based on the analysis, Reason Code 2 has the highest volume of AQ correction submissions.
- When submitting an AQ correction using Reason Code 2, the User is required to populate a free text box to provide 'Supporting Information'.

Below are the main 'Supporting Information' reasons provided:

- Miscellaneous (91%)
- To reflect property type (7.8%)
- Excessive AQ caused by incorrect MEX reading, issue prior to supply or override flag sent in error. Unable to adjust via Read Replacement (0.9%)
- Erroneous AQ creating settlement imbalance and billing issues (0.4%)
- Market breaker read failure (0.2%)
- The AQ has been overinflated (0.1%)

Views on Eligible Causes (Reason Codes)

- Do the Review Group have any views on the current eligible causes (reason codes)?
 - Are the current eligible causes (reason codes) fit for purpose and sufficiently cover the valid reasons for submitting an AQ Correction?
- Do the Review Group have any views on the current validation applied to eligible causes (reason codes) by the CDSP?
 - Are there views on what role the CDSP should play in validating AQ corrections?
- What other instances arise that might need to be considered as a valid reason to amend the AQ? Are there any further eligible causes (reason codes) which are required?
 - If so, what validation / verification / oversight could be required on these? And by whom?

Further considerations

- **Backstop date:**
 - UK Link will not currently calculate a new AQ for 9 months after an AQ correction goes live, although further AQ corrections can be submitted.
 - Do the Review Group have views on the backstop date which an AQ correction currently introduces for system AQ corrections?
- **Role of Oversight**
 - Do the Review Group have views on whether an oversight role is required? IF so, what body would be best placed to do this – e.g. is this part of the role of PAC in terms of monitoring and/or potentially validating AQ corrections?
- **Does Workgroup need to consider need for remedies or resolution where there has been incorrect use of the AQ correction process?**

Appendix

Rolling AQ:

- Annual Quantity represents the expected levels of average gas consumption for each Supply Meter Point over a 12 month period. The AQ plays an important role of providing stability for the industry in its various calculations.

Formula Year AQ (FYAQ):

- The Formula Year AQ sets a Supply Meter Point's Transportation charges for the forthcoming gas year. The Formula Year runs for a 12 month period beginning 1st April to 31st March in the following calendar year.

Supply Offtake Quantity (SOQ):

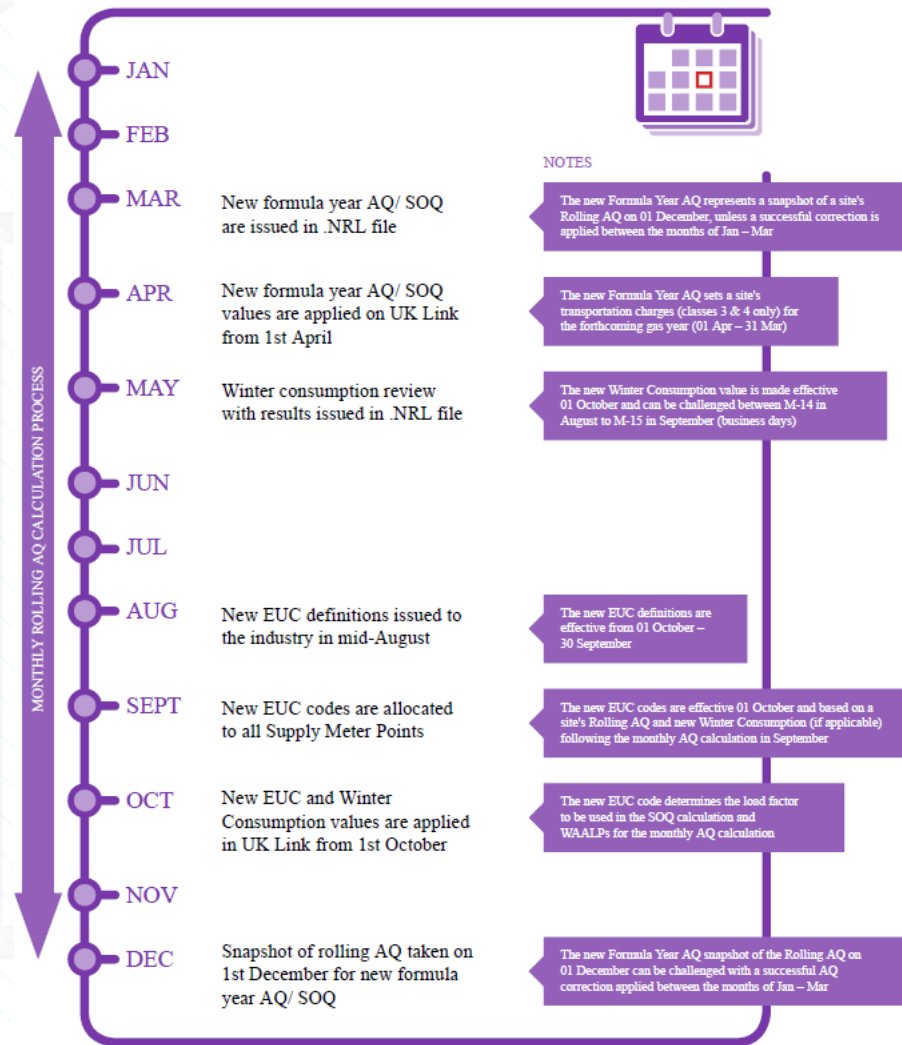
- Supply Offtake Quantity is the maximum amount of gas a site is expected to use on a given day. It ensures that gas usage is managed, invoiced and planned correctly. For Class 3 and 4 Supply Meter Points the Supply Offtake Quantity (SOQ) represents the expected peak consumption in a day during extreme cold weather.

Backstop date:

- When an AQ has been corrected via the AQ Correction process, a 'backstop date' is automatically created. This means that no read/consumption data prior to this date will be considered for the Rolling AQ process.

AQ Process Flow

- AQ process flow:



Thank you

Any further points or questions?

The logo for xserve, featuring a stylized 'x' composed of two blue arrows pointing towards each other, followed by the word 'serve' in a blue sans-serif font.

The logo for correla, consisting of two overlapping circles, one blue and one yellow, followed by the word 'correla' in a bold, dark blue sans-serif font.
ON BEHALF OF xserve