Heat Recovery Q&A

Please see the below list of compiled questions, taken from the Heat Recovery briefing. Questions are displayed in grey, while answers are in orange.

If you have any further questions in addition to the below, please email box.DueDiligence@Cadentgas.com

"If an AGI were to see -25^{o}c on the outlet, how would we capture the material requirements?"

If minimum design temperature is -25^{o}c, they will need to refer to clause of 5.6.2.1 of TD/3 to ensure materials have adequate fracture toughness.

"If the connection point has branches located between the pre-heat and the POC (Point of Connection), how we will we clarify? (If the Heat Recovery is based on the outlet connection)."

When carrying out a Heat Recovery analysis, consideration is given to all pipe diameters present, and any large offtakes in demand between the PRS and the point of connection. This will be reflected in the results you're provided.

"At what point on the outlet do we state this is the point Heat Recovery calculations start?"

At the IP outlet valve within the AGI.

"TD/13 states "Should not shall for keeping temps above 0^{o}c", this links onto a query regarding UNC and its statement that a GDN shall design to keep its network at 0^{o} or above?"

Cadent do not believe there is a contradiction, Section J, clause 3.3.7 is a statement around how NTS assess hydrocarbon dewpoint. Not a specific requirement.

"Should we determine or highlight a tolerance in terms of distance (metres) for PoC (Point of Connection) to allow for Heat Recovery known restrictions?"

If the question or tolerance arises, please contact Cadent with a copy of your independent Heat Recovery Calculations.