



Summary of Design Study Services

Biometane Gas to Grid
Network entry connection

Summary of NG 1 Design Study Services

Northern Gas Networks Design Study / Design Validation Services for Bio methane Gas to Grid Projects

- 1) Detailed Design of the ROV, connection pipe and DN connection
 - High Pressure Grid Connection - Detailed Design will be undertaken by NGN. The Cost will be identified on a project by project basis.
 - MP & IP Grid Connections – The Producer has the option to decide whether they use NGN Framework designers to undertake the detailed design. If NGN are instructed to do so, the Cost will be identified on a project by project basis.

- 2) Third Party Detailed Design Validation
 - If the Producer decided to undertake the detailed design of the ROV, connection pipe and DN connection on an MP or IP main, NGN will validate the design to ensure its compliance with industry standards.
 - NGN will require an upfront payment. The actual cost will be included in the costs for the whole of the works to provide NGN attendance and is calculated as a sum of £4,000 to be added to the upfront invoice amount.

- 3) Gas Entry Unit and ancillary equipment Design Validation
 - The whole of the GEU will be designed by the Producer / Producers Representative to the current GL5 standards.
 - In addition to this, the Producer / Producers Representative will design the elements to be adopted by NGN to NGN's G17 standards and in line with the minimum functional specification developed for the electrical and instrumentation requirements and the control and automation of the process.
 - The cost for the validation of a third party GEU design regardless of the type of main it will be connected to will be included in the upfront invoice amount.

- 4) GQ8 Workshop
 - Northern Gas Networks or its framework designers will facilitate the GQ8 workshops, which undertake a risk assessment of the biogas that will be produced using the particular type of feedstock selected for the Bio methane gas to grid project.
 - NGN will require an upfront payment. The actual cost will be included in the costs for the whole of the works to provide NGN attendance and is calculated as a sum of £3,688 to be added to the upfront invoice amount

The details of the process and the outputs of the above can be found on the Website. Alternatively, contact biomethanedoc@northerngas.co.uk for further details.