

## **Third Party Access to the Dee Pipeline**

E.ON UK plc (E.ON), as owner of the Dee pipeline, sets out below the main commercial conditions relating to the grant to another person of a right to have gas conveyed in the pipeline.

The Dee pipeline is approximately 3 km long, 750mm diameter and connects the E.ON facilities on the south bank of the River Dee at Connah's Quay, Flintshire to the National Transportation System (NTS) operated by National Grid Gas at Burton Point on the north of the river. The pipe is installed subsurface passing under the river, the south bank of which being designated SSSI.

The pipe is used either to transport gas from a Gas Treatment Plant (GTP) at Connah's Quay to the NTS or to transport gas from the NTS to Connah's Quay power station. The direction of flow is dependent on both technical and commercial considerations at any time and can change direction at short notice.

The pipeline operates at the same pressure as the NTS and the quality of gas is compatible with the requirements of the NTS in both import and export modes.

## **Method of Calculating Cost**

The transportation charges will deliver a reasonable rate of return to E.ON and would cover all relevant costs, including the following:

- Installation of any additional or upgraded apparatus
- Operating costs associated with the facilities
- Leasing costs associated with the installation of any apparatus on E.ON or third party land
- Any charges levied by National Grid Gas
- Capital recovery costs
- Any other reasonable costs incurred by E.ON

### **Special conditions**

1. The pipeline is operated as part of integrated gas assets including the GTP and 1400 MW CCGT Power Station. The transportation of gas through the Dee Pipeline should not impact on the flexible operation of the gas flow to and from the Connaught Quay site. Therefore capacity can generally only be made available on an interruptible basis.
2. Any apparatus installed must match the performance characteristics of the current installation.
3. The gas quality must be to NTS quality.
4. Any agreement would be subject to existing contractual commitments.
5. Due recognition would need to be given to the maintenance requirements of the pipeline.

If you are interested in access to these facilities please contact the Gas Trading Manager at the following address

E.ON UK plc  
Westwood Way  
Westwood Business Park  
Coventry  
CV4 8LG

## **Third Party Access to the Connah's Quay Gas Treatment Plant**

E.ON UK plc (E.ON), as owner of the Connah's Quay Gas Treatment Plant (GTP), sets out below the main commercial conditions relating to the grant to another person of a right to have gas processed by the GTP.

The GTP is located on the south bank of the River Dee at Connah's Quay, Flintshire on the site of E.ON's Connah's Quay Power Station and is operated as part of integrated asset consisting of the 1400 MW power station, the GTP and Dee Pipeline.

The plant is design to remove nitrogen to meet NTS quality and can process around 236 kSm<sup>3</sup>/h dependent on factors such as inlet gas quality. The GTP is typically 85% utilised and operates between 0 and 100% depending on commercial and technical considerations.

The specification for gas in this pipeline must be within the operating parameters of both the GTP and the CCGT generating units.

The GTP cannot process gas from the NTS.

The output from the GTP is fed via an AGI into the Dee Pipeline. This pipe is used either to transport gas from the GTP to the NTS or to transport gas from the NTS to Connah's Quay power station. As a result the GTP is unable to export into the NTS when NTS gas is required for the CCGT's.

### **Method of Calculating Cost**

The processing charges will deliver a reasonable rate of return to E.ON and would cover all relevant costs, including the following:

- Installation of any additional or upgraded apparatus
- Operating costs associated with maintaining these facilities
- Leasing costs associated with the installation of any apparatus on E.ON or third party land
- Any charges levied by National Grid Gas
- Capital recovery costs
- Any other reasonable costs incurred by E.ON
- Processing costs which will vary depending on the quality of the gas to be processed, the volume and rate of processing

## Special conditions

1. The GTP is operated as part of integrated gas assets including the 1400 MW CCGT Power Station and the Dee Pipeline. The processing of gas through the GTP should not impact on the flexible operation of the gas flow to and from the Connah's Quay site, therefore capacity can generally only be made available on an interruptible basis
2. Any apparatus installed must match the performance characteristics of the current installation
3. The feed gas specification is as per the NTS with the following exception
  - Have a nitrogen content between eight (8) and twelve decimal five (12.5) mol%
  - Maximum CO<sub>2</sub> Content decimal two nine (0.29) mol%
  - Maximum combined hydrogen and helium content of one thousand (1000) ppmv
  - Maximum water content one hundred ninety five (195) ppm
  - Minimum supply pressure twenty eight (28) Bar
  - Have a temperature between zero (0) and thirty (30) degree Celsius
4. It would be necessary to carry out a full evaluation of any proposed gas to ensure the gas does not cause any technical conflict and does not result in a breach of any authorisation (e.g. IPC)
5. Interruptible capacity is available in the range of 0 to 236 kSm<sup>3</sup>/h, the exact profile available being dependent on commercial and technical considerations prevailing at any time. Interruptions may occur at short notice in the case of technical problems
6. Any agreement would be subject to existing contractual commitments
7. Due recognition would need to be given to the maintenance requirements of the GTP

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**Diagram showing facilities at Connah's Quay and Burton Point**

