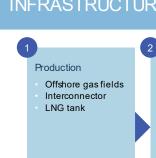


Decarbonisation

January 2022 Victoria Mustard

XXSETVE GAS ROADMAP

INFRASTRUCTURE



Fnters UK

- Received into a national gas terminal (owned by National Grid & situated around the UK coast)
- Some of this will go direct to storage

Enters NTS

Gas is called off from the terminals and into the National Transmission System (NTS) as required, in line with demand forecasts

Enters Local Distribution Zones

- Gas moves from NTS into: Regional LDZ networks
- 2 Independent gas networks
- At this stage it is in "bigger" pipes

Gas enters lower branches

- Gas goes through a pressure reduction station
- It enters "smaller" pipes, suitable for connection to consumers

Gas reaches consumer

- Gas passes through a meter, producing a read, and is used by the consumer
- Consumer is billed based on that read (or an AQ between reads)

Gas is consumed

Gas is burned. releasing emissions

Heat Map on CDSP Systems & Communications

Updated 5th January 2022

UKLink

- Ability to flag (& remove flag) & make visible an MPRN/CV Zone on a decarb project
- Ability to accept and process files containing CV for MPRN/ CV Zone
- Calculate energy using correct CV
- Ability to amend CV for Class 1 and 2 sites at MPRN level on GFD+1 (by GFD+5 at the latest)
- Ability to amend CV for Class 3 & 4 sites at MPRN and/or CV Zone

BW, DES & DDP

- Ability to identify an MPRN in a Decarb project
- Reporting includes notification that an MPRN is in a Decarb project/ fuel type

CMS

- Potential for minor impacts
- Note: replacement CMS not yet assessed

Gemini

- Possible requirement to add additional EUCs/meter IDs
- No impacts to daily gas demand & UIG (assumption correct AQ/energy applied)
- No impact to NTS sites (site CV applied)
- No impact to energy balancing processes
- CV not used for energy calculation of LDZ sites

UKLink File Flows

- Change/new file to notify Shipper that an MPRN is on a Decarb project
- Change to notify DN of a change on a decarb project
- Change to flows notifying CDSP of the CV
- Change to invoicing files to show CV Zone

Complexity Levels

No impact Low

Medium

High

Note: Analysis carried out on current systems only, impacts on new systems not yet implemented TBD

Heat Map on DSC Business Processes

Updated 5th January 2022

1. Maintain Gas Industry Stakeholders

 Initial assessment does not identify any impacts unless separate contracts are required for blended/hydrogen gas

2. Maintain Supply Meter Point Register

Create Supply Meter Point & assign to LDZ/CV Zone

- Maintain LDZ /CV Zone
- Amend Supply Meter Point
- Manage Supply Point Nomination
- Manage Supply Point Confirmation
 Manage Asset Change/Update
- Generate portfolio

3. Predict, Allocate & Balance Daily Energy

- Validate CV
- Gas Nominations
- Gas Allocations
- UIG
- Energy balancing

4. Settle Meter Point Consumption

- Validate read & calculate Supply Meter Point energy
- Validate consumption adjustment & calculate Supply Point energy
- Calculate AO
- Reconcile Supply Point energy

5. Invoice & Collect Charges

- Perform charge calculations
- Issue Invoices

7. Enable and Support Operational Processes

- Provide Access to Data & Management Information
- Manage Customer Contacts (queries)

Complexity Levels

No impact
Low
Medium

High

Note: CDSP/DSC processes only have been assessed. Customer processes yet to be assessed