DSC Change Proposal Document

Customers to fill out all of the information in the sections coloured

Xoserve to fill out all of the information in the sections coloured

# A1: General Details

|  |  |
| --- | --- |
| Change Reference: | XRN4900 |
| Change Title: | Biomethane Sites with Reduced Propane Injection  |
| Date Raised: | 13/06/2021 |
| Sponsor Representative Details: | Organisation: | Scotland and Southern Gas Networks (SGN)  |
| Name: | Sally Hardman |
| Email: | Sally.Hardman@sgn.co.uk |
| Telephone: | 07970 019027 |
| Xoserve Representative Details: | Name: | Steve Pownall |
| Email: | Steve.Pownall@xoserve.com |
| Telephone: | 0121 229 2671 |
| Business Owner: | TBC |
| Change Status: | [x]  Proposal | [ ]  With DSG | [ ]  Out for Review |
| [ ]  Voting | [ ]  Approved | [ ]  Rejected |

# A2: Impacted Parties

|  |  |  |
| --- | --- | --- |
| Customer Class(es): | [x]  Shipper | [x]  Distribution Network Operator |
| [ ]  NG Transmission | [ ]  IGT |
| [ ]  All | [ ]  Other <Please provide details here> |
| Justification for Customer Class(es) selection |  |

# A3: Proposer Requirements / Final Change

|  |  |
| --- | --- |
| Change Statement: | As part of its carbon Net Zero ambitions, SGN is assessing the potential to reduce the requirement to inject propane at biomethane entry points in Scotland. LDZ embedded entry points may inject biomethane with ~4% propane content to increase the energy value of the gas to meet the GDN target CV which is calculated based on the current Scotland LDZ average daily CV (FWACV). Injecting propane is costly to biomethane producers and, serves to reduce the environmental credentials; propane is largely a non-renewable fossil fuel gas which has a much higher carbon footprint than standard bio-methane gas. SGN is working with biomethane producers to establish a method for reducing the volume of propane required whilst recognising:* Rules associated with CV Capping at an LDZ level and;
* Compliance with Statutory legislation: GS(M)R / Thermal energy regulations

The impact of removing the propane injection from biomethane is that it effectively lowers the Calorific Value (CV) and increases the volume of gas required through associated Shippers’ Supply Meter Points to meet the same energy requirement for end users. This will increase costs to those Shippers unless Xoserve can mitigate this through a system solution.For those Supply Meter Points offtaking gas with a reduced CV, SGN intends to provide and, request Xoserve to apply, a ‘site specific CV’; whereby an energy adjustment will be applied prior to the D+5 closeout period. |
| Change Description: | To facilitate the correct energy balancing / billing and transportation charging (use of a site-specific CV and energy adjustments), SGN requires Xoserve to provide solution options considering impacts on: * LDZ System commodity invoice,
* LDZ Entry invoice,
* NTS commodity invoice(s)) and,
* the relevant Shipper’s energy balancing position
* Capacity charging (incorrect consumptions would lead to

 incorrect AQs and possibly incorrect SOQs)* Impacts of meter reads, reconciliation, ratchets, check-check reads, site visits
* Adjustments received after D+5 exit close-out

Any acceptable solution option should be considered a pragmatic, tactical solution. Cadent’s Future Billing Methodology (FBM) Project is assessing the possibility to introduce sub-LDZ CV charging zones. It is anticipated a future rollout of FBM will provide a robust and enduring solution that will support the revised biomethane arrangements. |
| Proposed Release: | TBC |
| Proposed Consultation Period: | [x]  10 Working Days | [ ]  15 Working Days |
| [ ]  20 Working Days | [ ]  Other [Specify Here] |

# A4: Benefits and Justification

|  |  |
| --- | --- |
| Benefit Description: | * Will support SGN/UK carbon Net Zero ambitions
* Can be utilised by other Networks that might wish to enter into similar biomethane/propane reduction arrangements
* Ensures Shipper/Xoserve systems and processes can accommodate the revised CVs without significant downstream impacts e.g. Energy Balancing, UIG, reconciliation & settlement
 |
| *What, if any, are the tangible benefits of introducing this change? What, if any, are the intangible benefits of introducing this change?* |
| Benefit Realisation: | Benefits will be realised by the DN and Shippers upon implementation of this change. |
| *When are the benefits of the change likely to be realised?* |
| Benefit Dependencies: | This change has no dependencies outside of its scope. |
| *Please detail any dependencies that would be outside the scope of the change, this could be reliance on another delivery, reliance on some other event that the projects has not got direct control of.* |

# A5: Final Delivery Sub-Group (DSG) Recommendations – Removed (see Section C for DSG recommendations)

# A6: Service Lines and Funding

|  |  |
| --- | --- |
| Service Line(s) Impacted - New or existing  | DSC Service Area 7: NTS Capacity, LDZ Capacity, Commodity, Reconciliation, Ad-Hoc Adjustment and Energy Balancing Invoices  Service Line ASGT – CS SA7 03 |
| Level of Impact | Major ~~Minor/ Unclear/ None~~ |
| If None please give justification |  |
| Impacts on UK Link Manual/ Data Permissions Matrix  | TBC |
| Level of Impact | High |
| If None please give justification  |  |
| Funding Classes: | Customer Classes/ Funding | Delivery of Change | On-going Budget Amendment  |
| [ ]  Shipper | XX % | XX % |
| [ ]  National Grid Transmission | XX % | XX % |
| [x]  Distribution Network Operator | 100 % | 100 % |
| [ ]  IGT | XX % | XX % |
| [ ]  Other <please specify> | XX % | XX % |
| ROM or funding details: |  |
| Funding Comments: |  |

# A7: ChMC Recommendation

|  |  |  |  |
| --- | --- | --- | --- |
| Change Status: | [ ]  Approve | [ ]  Reject | [ ]  Defer |
| Industry Consultation: | [ ]  10 Working Days | [ ]  15 Working Days |
| [ ]  20 Working Days | [ ]  Other [Specify Here] |
| Expected date of receipt for responses (to Xoserve) | XX/XX/XXXX |

|  |  |  |
| --- | --- | --- |
| DSC Consultation Issue: | [ ]  Yes | [ ]  No |
| Date Issued: | Click here to enter a date. |
| Comms Ref(s): |  |
| Number of Responses: |  |

# A8: DSC Voting Outcome

|  |  |  |
| --- | --- | --- |
| Solution Voting: | [x]  Shipper | Please select. |
| [ ]  National Grid Transmission | Please select. |
| [x]  Distribution Network Operator | Please select. |
| [ ]  IGT | Please select. |
| Meeting Date: | Click here to enter a date. |
| Release Date: | Release: Feb / Jun / Nov XX or Adhoc DD/MM/YYYY or NA |
| Overall Outcome: | [ ]  No | [ ]  Yes | If [Yes] please specify <Release> |

**Appendix 1**

**Change Prioritisation Variables**

Xoserve uses the following variables set for each and every change within the Xoserve Change Register, to derive the indicative benefit prioritisation score, which will be used in conjunction with the perceived delivery effort to aid conversations at the DSC ChMC and DSC Delivery Sub Groups to prioritise changes into all future minor and major releases.

|  |  |
| --- | --- |
| **Change Driver Type**  | ☐ CMA Order ☒ MOD / Ofgem ☐ EU Legislation ☒ Licence Condition ☐ BEIS ☐ ChMC endorsed Change Proposal ☐ SPAA Change Proposal ☐ Additional or 3rd Party Service Request ☐ Other*(please provide details below)*   |
| **Please select the customer group(s) who would be impacted if the change is not delivered** | ☒Shipper Impact ☐IGT Impact ☒Network Impact ☒Xoserve Impact ☐National Grid Transmission Impact  |
| **Associated Change reference Number(s)** | **Not applicable** |
| **Associated MOD Number(s)** | **Not applicable** |
| **Perceived delivery effort** | ☒ 0 – 30 ☐ 30 – 60 ☐ 60 – 100 ☐ 100+ days  |
| **Does the project involve the processing of personal data?** *‘Any information relating to an identifiable person who can be directly or indirectly identified in particular by reference to an identifier’ – includes MPRNS.* | ☐ Yes *(If yes please answer the next question)* ☒ No   |
| **A Data Protection Impact Assessment (DPIA) will be required if the delivery of the change involves the processing of personal data in any of the following scenarios:**  | ☐ New technology ☐ Vulnerable customer data ☐ Theft of Gas☐ Mass data ☐ Xoserve employee data☐ Fundamental changes to Xoserve business☐ Other*(please provide details below)*  *(If any of the above boxes have been selected then please contact The Data Protection Officer (Kevin-Eltoft-Prest) to complete the DPIA. Kevin-Eltoft-Prest. Information can be found:* [*https://xoserve.sharepoint.com/dept/tech/infosec/Documents/Forms/AllItems.aspx*](https://xoserve.sharepoint.com/dept/tech/infosec/Documents/Forms/AllItems.aspx) |
| **Change Beneficiary** *How many market participant or segments stand to benefit from the introduction of the change?*  | ☒ Multiple Market Participants ☐ Multiple Market Group ☐ All industry UK Gas Market participants ☐ Xoserve Only ☐One Market Group ☐ One Market Participant  |
| **Primary Impacted DSC Service Area**  | Service Area 7: NTS Capacity / LDZ Capacity / Commodity / Reconciliation / Ad-Hoc Adjustment and Energy Balancing Invoices |
| **Number of Service Areas Impacted**  | ☐ All ☐ Five to Twenty ☐ Two to Five ☒ One  |
| **Change Improvement Scale?** *How much work would be reduced for the customer if the change is implemented?* | ☒ High ☐ Medium ☐ Low  |
| **Are any of the following at risk if the change is not delivered?**  |
| ☐ Safety of Supply at risk ☒ Customer(s) incurring financial loss ☐ Customer Switching at risk |
| **Are any of the following required if the change is delivered?**  |
| ☒ Customer System Changes Required ☐ Customer Testing Likely Required ☐ Customer Training Required  |
| **Known Impact to Systems / Processes** |
| **Primary Application impacted** | ☐BW ☒ ISU ☐ CMS ☐ AMT ☐ EFT ☐ IX ☒ Gemini ☐ Birst ☐ Other  |
| **Business Process Impact**  | ☐AQ ☐SPA ☐RGMA☒Reads ☐Portal ☒Invoicing ☐ Other *(please provide details below)*  |
| **Are there any known impacts to external services and/or systems as a result of delivery of this change?** | ☒ Yes SGN will need to provide a daily Site Specific CV to Xoserve for the affected Supply Meter Points   ☐ No |
| **Please select customer group(s) who would be impacted if the change is not delivered.**  | ☒ Shipper impact ☒ Network impact ☐ IGT impact ☒ Xoserve impact ☐ National Grid Transmission Impact |
| **Workaround currently in operation?** |
| **Is there a Workaround in operation?**  | ☐ Yes ☒ No |
| **If yes who is accountable for the workaround?**  | ☐ Xoserve☐ External Customer ☐ Xoserve and External Customer |
| **What is the Frequency of the workaround?**  | Not applicable |
| **What is the lifespan for the workaround?**  | Not applicable |
| **What is the number of resource effort hours required to service workaround?**  | Not applicable |
| **What is the Complexity of the workaround?**  | ☐ Low *(easy, repetitive, quick task, very little risk of human error)* ☐ Medium *(moderate difficult, requires some form of offline calculation, possible risk of human error in determining outcome)* ☐ High *(complicate task, time consuming, requires specialist resources, high risk of human error in determining outcome)*  |
| **Change Prioritisation Score** |  |

Version Control

# Document

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| --- | --- | --- | --- | --- |
| Version | Status | Date | Author(s) | Remarks |
| 0.1 | Draft | 13/06/2021 | Sally Hardman | Finalised following discussion between SGN and Xoserve  |
| 1.0 | Proposal | 27/07/2021 | Sally Hardman | CP raised |