

**Entry Customer Forum**  
**27<sup>th</sup> April 12:30-14:00**  
**Microsoft Teams**

Thom Koller	TK	ENA
Katie Harrison	KH	ENA
Stuart Easterbrook (Chair)	SE	Cadent
Tina Hawke	TH	Cadent
Claire Gumbley	CG	NG
Ben Hanley	BH	NGN
Emma Buckton	EB	NGN
Joel Martin	JM	SGN
Bethan Winter	BW	WWU
Leanne Williams	LW	ADBA
David Hurren	DH	Air Liquide
Lee Firth	LF	Biomethane Assist
Alison Cartwright	AC	CNG Services
Philip Kershaw	PK	CNG Services
Jake Harrison	JH	Emerald Biogas
Julie Cox	JC	Energy UK
Andy Smith	AS	Future Biogas
Sharon Spain	SS	Future Biogas
Alan Sly	AS	Honeywell
Steve Brown (part)	SB	Ofgem
Kiara Zennaro	KZ	REA
Neil Liddell-Young	NLY	Severn Trent
Russell Brown	RB	Thyson

**Minutes and actions from the last meeting:**

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TH welcomed the group and explained she would be Chairing by exception. There were no comments on the minutes from the previous meeting.

The actions table was updated:

Number	Date	Action	Owner	Status
1	15 Dec 20	<b>CV blips revised action - Networks will review their existing process for setting CV targets, tolerance levels, reviewing and responding to breaches, in order to work out a consistent process.</b>	GDNs	<i>Carried forward</i>
2	23 Feb 21	<b>GDNs to collate key SGS issues.</b> Covered via agenda item.	GDNs	<i>Closed</i>
3	23 Feb 21	<b>GDNs to develop KPIs for identifying common themes in SGS issues.</b> Covered via agenda item.	GDNs	<i>Closed</i>
4	23 March 21	<b>ENA to update action tracker with planned completion dates.</b> Planned completion dates added.	ENA	<i>Closed</i>

For action 1, BW noted that calculating the CV to be used by divert valve would offer benefit to sites if the site on average had been above target during day then the divert valve wouldn't have to close. This would require new calculations on site, GEUs to track and GDNs to receive new data via SCADA systems. BW noted the next step is for DFOs to review potential changes and obtain costs from GEU suppliers and put a proposal together for GDNs. KZ noted that the planned meeting with Ofgem was cancelled as this wouldn't require a change to the Letter of Direction. **Action: DFOs to review potential changes and obtain costs from GEU suppliers and put a proposal together for GDNs.**

High CV issue:

JH explained that there have been high CV targets approaching 41 MJ at a site on NGN's network and noted that a rolling daily CV average would potentially help. AS noted other sites on NGN's network are impacted by similar issues with high CVs. **Action: BH to review high CV issues with DFOs.**

In terms of initial steps, RB noted that a regulation change would likely be required due to the composition of components. DH asked whether there are trends on days with high CVs. BH noted the terminals feeding into NGN's network feed in high quality gas.

JM noted SGN's network were experiencing high CV in Scotland, due to maintenance activities on the NTS. JH noted on NGN's network the site struggles to meet higher targets of 40.9MJ. TH noted this can feed into the reviews GDNs are undertaking on setting standardising CVs. **Action: Networks include this issue in CV target standardisation review.**

### **Operator Competence Proposal:**

TH explained that this proposal is for the development of a Biomethane Gas Grid Entry Module, to link with the ADDBA AD Certification Scheme. This would help DFOs to optimise the operation of a plant and further understand obligations post gas to grid. The group were advised to send any questions on the proposal to TH before revisiting the proposal in the May Entry Customer Forum. DH noted support for this proposal.

### **Action Plan Tracker:**

For Item 1 'CV blips and flaring and 'Primary legislation change for low flow systems', a discussion took place earlier in the meeting.

For item 3 'Flexible local offtake requirements', DH noted he hadn't attended the 749R WG meeting. JM noted the 749R WG are looking at capacity requirements for specific customers and exit charges. **Action: DH to speak to Tim Davies from Barrow Shipping regarding 749R WG.**

### **Standardisation updates:**

#### **Siloxanes:**

JM explained the GDNs have published a joint [statement](#) detailing a new siloxane limit of 0.23mg/M3 from 1<sup>st</sup> May 2021. JM noted that Cadent and NGN produced a risk assessment impact report with DNV on siloxanes in biomethane gas, with the intention of establishing new limit for siloxanes. JM explained this new limit will be implemented in the GQ8 risk workshops that will determine how the limit will be monitored for new sites, potentially via online monitoring device or by undertaking full spectrum analysis report from gas samples at pre-determined points on an annual basis. JC noted this wasn't included in GS(M)R due to lack of equipment available and challenge with monitoring. JM noted that online monitoring equipment is available but he would do further research on this. **Action: JM to further explore availability of online monitoring equipment for siloxanes.**

DH asked how this will impact sites with existing gas injection. JM noted that it is the role of GDNs to raise with existing sites if there is an issue relating to the site's siloxane limit.

### Site Acceptance Testing Methodologies:

TH explained that this item addresses testing and evidence inconsistency to provide assurance to GDNs and DFOs that regulatory obligations can be satisfied. TH noted that GDNs have reviewed existing SAT methodologies against a consistent GDN requirement, requests were made for GEU suppliers to address issues and records. GDN's are awaiting a response from GEU suppliers on the on the proposed changes before the GDNs can undertake a final review.

AS noted that Elster will be able to provide this by the end of the week. Cadent and Thyson are working on an agreed SAT methodology for a current gas to grid project. RB noted that Thyson are close to finalising . TH noted that Cadent are liaising with the 3<sup>rd</sup> party supplier separately. TH asked GEU suppliers to ensure they returned amended methodologies promptly to allow this item to be closed in May. **Action: GEU suppliers to send revised methodologies to ENA for GDNs to review.**

### SGS Dashboard:

JM explained that SGS, Ofgem's technical auditors, visit sites to check the Letter of Direction is being adhered to. If issues are raised it often requires DFO and GDN resource to resolve. JM noted the aim is to share a dashboard of SGS issues on a quarterly basis to raise awareness and a consistent bottle change procedure is being developed to help with cylinder change issues. DH noted it would be useful to link with the operator competence passport to help with education on common issues. It was agreed the GDNs would provide further detail on logbook entry SGS issues at the May EnCF. JM noted it would be useful to draw out the impact on CV after loss of record due to a log book issue. **Action: GDNs to share detail on logbook entry SGS issues at May EnCF.**

### Biomethane Blending:

TH explained that Cadent are developing a paper offering a blending service to DFOs in certain circumstances to remove propane enrichment in the short term before outcomes from the Future Billing Methodology are presented. TH noted remaining challenges are:

#### How Cadent analyses whether a site can successfully blend:

TH noted Cadent are considering introducing a blending DAS.

#### Mitigation of risk of exit connection being made between the ROV and the blending point (low CV):

TH noted that the exit pipeline between the ROV and connection point to network, have duty under Gas Act to accept requests for exit connections from mains classified as relevant. Lots of pipelines are away from connection points so Cadent are exploring modifications that could be made, as pipes can't be reclassified if they can't be connected as an exit connection.

### Ownership and maintenance operating model:

TH noted this is being developed within the G23 Field Trial for the T blender. This is now in the design stage and a bespoke contract is being agreed between Cadent and the producer. The maintenance and operation model is being developed and the solution has been verbally accepted by Ofgem.

AC asked for information on timings. TH noted the strategy is expected to be shared internally at the end of June for sign off within Cadent. JC asked how this will impact the FWACV calculations. TH noted the CV point will move to the blending point. JM noted the Letter of Direction notes the blending point as used for CV calculation in LDZ, excluding the raw biomethane sample point.

### **ME2:**

BH explained that this will be discussed in the 646R Working Group. Once there is agreement to begin, a new document will be developed and necessary changes for ME2 will be made.

### **Industry perspectives on the Green Gas Support Scheme:**

KZ explained the Government response to GGSS was issued in March 2021 designed to support new biomethane injection into the gas grid produced via anaerobic digestion. The biomethane has to meet a sustainability criteria relating to GHG emissions. The scheme is expected to launch in Autumn 2021 and will close to new applicants in Autumn 2025. KZ noted the tariff length is fifteen years and plants can be commissioned until 31<sup>st</sup> March 2026.

KZ explained that this scheme is only eligible for new biomethane plants and BEIS will undertake an annual tariff review to control costs under the scheme. A process where plants can apply for additional capacity will also be included in the scheme.

KZ noted that 50% of all biomethane must be produced using residue feedstocks.

KZ explained the Green Gas Levy will launch in April 2021 and will be collected for the first time in April 2022. It will be placed on fossil fuel gas suppliers and this will be monitored by Ofgem.

TH asked about the call for information on CHP conversion for gas injection. KZ noted REA have been in touch with Ofgem who are in early stages on consulting on guidance for this but further stakeholder engagement is expected later in the year.

**Recap CV blips issue:**

SB joined the meeting. BW explained that the issue has been refined and is focused on where the divert valve is taking reading from, which can close when the CV is below tolerance as the reading is instantaneous. BW noted the next step is for DFOs to review potential changes and obtain costs from GEU suppliers and put a proposal together for GDNs to review. BW explained that this doesn't affect the Letter of Direction.

BH explained there is part of NGN's network that has high CVs and certain sites struggle to maintain flow at such high targets. BH noted that GDNs are reviewing CV targets to improve this. AC asked whether an average CV would be able to support this. BH noted this is unlikely to help as certain days the average would still be 41MJ.

SB asked whether blending would assist with high CV targets. BH noted this is still likely to cause capping but could be further explored. KZ asked for a timeframe for sharing potential solutions. TH noted that the GDNs would discuss at the Biomethane Technical Working Group and feedback at the May Entry Customer Forum.

**AOB:**

**National Grid Connections event:**

CG explained that NGGT are holding a gas connections event on 12<sup>th</sup> May for those interested in connecting to the NTS.

**May Entry Customer Forum:**

The group were reminded to submit proposals by COB 11<sup>th</sup> May for the Entry Customer Forum on 25<sup>th</sup> May.

*Meeting closed.*

**Updated actions table:**

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1	15 Dec 20	<b>CV blips revised action - Networks will review their existing process for setting CV targets, tolerance levels, reviewing and responding to breaches, in order to work out a consistent process.</b>	GDNs	<i>Carried forward</i>
2	27 Apr 21	<b>DFOs to review potential changes and obtain costs from</b>	DFOs	<i>Created</i>

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		<b>GEU suppliers and put a proposal together for GDNs.</b>		
3	27 Apr 21	<b>BH to review high CV issues with DFOs.</b>	BH	<i>Created</i>
4	27 Apr 21	<b>Networks include this issue in CV target standardisation review.</b>	GDNs	<i>Created</i>
5	27 Apr 21	<b>DH to speak to Tim Davies from Barrow Shipping regarding 749R WG.</b>	DH	<i>Created</i>
6	27 Apr 21	<b>JM to further explore availability of online monitoring equipment for siloxanes.</b>	JM	<i>Created</i>
7	27 Apr 21	<b>GEU suppliers to send revised methodologies to ENA for GDNs to review.</b>	GEU suppliers	<i>Created</i>
8	27 Apr 21	<b>GDNs to share detail on logbook entry SGS issues at May EnCF.</b>	GDNs	<i>Created</i>