

# **GDN Collaborative Vulnerability & Carbon Monoxide Allowance (VCMA)**

## **Project Eligibility Assessment (PEA)**

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### *Carbon monoxide schools' education 2022 - 26*

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*Partner lead; Dan Edwards*  
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*23/12/22*

*Update – August 2023*

*Update – August 2024*

**Gas Network Vulnerability & Carbon Monoxide Allowance (VCMA) Governance Document - Project Eligibility Criteria**

<b>Section 1 - Eligibility criteria for company specific projects (other than condemned essential gas appliance repair and replacement)</b>	
In order to qualify as a VCMA project, a project must:	
<b>VCMA Eligibility Criteria</b>	<b>Criteria Satisfied (Yes/No)</b>
<b>a)</b> Have a positive, or forecasted positive Social Return on Investment (SROI), including for the gas consumers funding the VCMA project;	<b>Yes</b>
<b>b)</b> Either: <ul style="list-style-type: none"> <li><b>i.</b> Provide support to consumers in vulnerable situations, and relate to energy safeguarding, or</li> <li><b>ii.</b> Provide awareness on the dangers of CO, or</li> <li><b>iii.</b> Reduce the risk of harm caused by CO;</li> </ul>	<b>Yes</b>
<b>c)</b> Have defined outcomes and the associated actions to achieve these;	<b>Yes</b>
<b>d)</b> Go beyond activities that are funded through other price control mechanism(s) or required through licence obligations; and	<b>Yes</b>
<b>e)</b> Not be delivered through other external funding sources directly accessed by a GDN, including through other government (national, devolved, or local) funding.	<b>Yes</b>
<b>Section 2 - Eligibility criteria for company specific essential gas appliance servicing, repair, and replacement projects</b>	
In order to qualify as a VCMA project, unsafe pipework and essential gas appliance servicing, repair or replacement must meet the following criteria:	
<b>a)</b> A GDN has to isolate and condemn unsafe pipework or an essential gas appliance following a supply interruption or as part of its emergency service role;	<b>n/a</b>
<b>b)</b> The household cannot afford to service, repair or replace the unsafe pipework or essential gas appliance; and;	<b>n/a</b>
<b>c)</b> Sufficient funding is not available from other sources (including national, devolved, or local government funding) to fund the unsafe pipework or essential gas appliance servicing, repair, or replacement.	<b>n/a</b>
<b>Section 3 - Eligibility criteria for collaborative VCMA projects</b>	
In order to qualify as a collaborative VCMA project, a project must:	
<b>a)</b> Meet the above company specific and boiler repair and replace (if applicable) project eligibility criteria;	<b>Yes</b>
<b>b)</b> Have the potential to benefit consumers on the participating networks; and	<b>Yes</b>
<b>c)</b> Involve two, or more, gas distribution companies.	<b>Yes</b>

**Gas Network Vulnerability and Carbon Monoxide Allowance (VCMA) Governance Document - Project Registration Table 2**

Information Required	Description																																																						
<b>Project Title</b>	Carbon monoxide schools' education programme – Year 2 <b>Update August 2023</b> Carbon monoxide schools' education programme 2022 - 26																																																						
<b>Funding GDN(s)</b>	Northern Gas Networks (NGN), SGN, Wales & West Utilities (WWU) <b>Update August 2024</b> Cadent																																																						
<b>New/Updated</b>	Updated																																																						
<b>Role of GDN(s)</b> <b>*For Collaborative VCMA Projects only</b>	SGN – Project lead  NGN / WWU – Project participants <b>Update August 2024</b> Cadent – Project participants for 24/25 12-16 yr old pilot element																																																						
<b>Date of PEA Submission</b>	23/12/22 <b>Update August 2023</b> <b>Update August 2024</b>																																																						
<b>VCMA Project Contact Name, email, and Number</b>	Dan Edwards – SGN Social Impact Programme Lead <a href="mailto:Dan.edwards@sgn.co.uk">Dan.edwards@sgn.co.uk</a>  07800 655582																																																						
<b>Total Cost (£k)</b>	<p><b>Update August 2023</b> £575,901.44 (exc. VAT)</p> <table border="1"> <thead> <tr> <th>Academic Year</th> <th>22/23 Actual</th> <th>23/24</th> <th>24/25</th> <th>25/26</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>NGN</td> <td>£41,620.55</td> <td>£36,774.50</td> <td>£45,414.58</td> <td>£32,066.40</td> <td>£155,876.03</td> </tr> <tr> <td>SGN</td> <td>£70,958.15</td> <td>£80,397.62</td> <td>£116,911.53</td> <td>£98,698.32</td> <td>£366,965.62</td> </tr> <tr> <td>WWU</td> <td>£38,265.79</td> <td>£14,795.00</td> <td>N/A</td> <td>N/A</td> <td>£53,059.79</td> </tr> <tr> <td><b>Total</b></td> <td><b>£150,843.49</b></td> <td><b>£131,967.12</b></td> <td><b>£162,326.11</b></td> <td><b>£130,764.72</b></td> <td><b>£575,901.44</b></td> </tr> </tbody> </table> <p><b>Update August 2024</b> £646,333.44 (exc. VAT)</p> <table border="1"> <thead> <tr> <th>Academic Year</th> <th>24/25 12-16 yr old Pilot</th> <th>24/25 Targeted Delivery</th> <th>Revised Overall Project Total</th> </tr> </thead> <tbody> <tr> <td>Cadent</td> <td>£26,286.67</td> <td></td> <td>£26,286.67</td> </tr> <tr> <td>NGN</td> <td>£10,339.66</td> <td></td> <td>£166,215.69</td> </tr> <tr> <td>SGN</td> <td>£26,286.67</td> <td>£7,519.00</td> <td>£400,771.29</td> </tr> <tr> <td>WWU</td> <td>N/A</td> <td></td> <td>£53,059.79</td> </tr> <tr> <td><b>Total</b></td> <td><b>£62,913.00</b></td> <td><b>£7,519.00</b></td> <td><b>£646,333.44</b></td> </tr> </tbody> </table>	Academic Year	22/23 Actual	23/24	24/25	25/26	Total	NGN	£41,620.55	£36,774.50	£45,414.58	£32,066.40	£155,876.03	SGN	£70,958.15	£80,397.62	£116,911.53	£98,698.32	£366,965.62	WWU	£38,265.79	£14,795.00	N/A	N/A	£53,059.79	<b>Total</b>	<b>£150,843.49</b>	<b>£131,967.12</b>	<b>£162,326.11</b>	<b>£130,764.72</b>	<b>£575,901.44</b>	Academic Year	24/25 12-16 yr old Pilot	24/25 Targeted Delivery	Revised Overall Project Total	Cadent	£26,286.67		£26,286.67	NGN	£10,339.66		£166,215.69	SGN	£26,286.67	£7,519.00	£400,771.29	WWU	N/A		£53,059.79	<b>Total</b>	<b>£62,913.00</b>	<b>£7,519.00</b>	<b>£646,333.44</b>
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<b>Problem(s)</b>	<p><b>Problem statement</b> Carbon Monoxide (CO) can pose a serious threat to human health and even fatality, with around 40 deaths caused by CO poisoning each year in the UK and 4,000 people treated in hospital as a result of CO poisoning.</p> <p>Lack of awareness about the dangers of and ways in which to prevent harm from CO are a major contributing factor to why we're still seeing CO related deaths and harm in a time when safety devices such as CO alarms are cheaper and more accessible than ever.</p> <p>Young people are one of the most at-risk groups from CO poisoning and one of the least aware about the dangers of CO. The NHS Carbon Monoxide guidance page listing young children as being a particularly at-risk group, and Gas and CO safety research carried out collaboratively by all GDNs in 2020 showing that the awareness of CO poisoning fatality was significantly lower amongst younger people (82% for 16-24 year olds compared to 92% overall). It also showed that nearly half (49%) of 16-24 year olds thought that CO had a smell.</p> <p>Young people are challenging to engage with outside of educational settings and when armed with knowledge can be key to sharing information on how they can keep themselves and their loved one's CO safe.</p> <p>We understand that effective engagement within the education sector is achieved by having and building strong relationships, and by being recognised as a trusted delivery partner, especially when targeting communities in need. To reach young people with an effective CO engagement programme in schools across target areas in England, Scotland, and Wales, in primary, secondary and special education needs schools, these schools will require skilled and dedicated engagement.</p> <p><b>Update August 2024</b> 12-16-year-olds are one of key groups identified as having low awareness of the dangers of CO, yet there is currently very little in the way of formal CO education for this age group, with no in school education programme linked to the curriculum or otherwise. As this group is at the age where they are starting to become more independent, be this staying at home on their own, or going out independently with their peers, its vital that they have the knowledge to keep themselves and others safe from the silent killer.</p>					
<b>Scope and Objectives</b>	<p><b>Objectives:</b> To reach young people through primary schools with tailored educational sessions and supporting resources in an environment where they are focussed on learning and most likely to be receptive to CO safety advice.</p> <p>To educate, engage and empower over 14,000 young people, increasing their understanding of the dangers and ways in which they can prevent harm for themselves and others from CO.</p> <p><b>Scope:</b> Bonanza Creative are specialists in developing creative learning, training, and education for life. They have worked for over 20 years with schools and businesses</p>					

to deliver engaging learning for their students and delegates. Their aim is to ensure a positive experience for all by providing alternative and creative approaches to all aspects of education. By making the experience memorable, the learning is established for life.

Building on the success of our national collaborative CO education delivery programme in year one of RIIO-2, Bonanza Creative will expand delivery of the Safety Seymour (KS1) and CO Crew (KS2) educational programmes, delivering in-depth classroom-based sessions in NGN, SGN and WWU network areas.

Through these in-depth classroom-based sessions each young person taking part will be educated on what CO is, where it comes from, the dangers of CO, and how to stay safe. Each young person will also receive CO safety information packs to take home;

Safety Seymour session participants (KS1) will receive a Safety Seymour CO Safety Pack that includes; a leaflet, sticker, keyring, 3D Safety Seymour, a completion certificate, and a letter to share with parents/guardians that provides important CO safety advice and includes an adventure trail activity for completion at home to share the learning from the session with the household.

CO Crew session participants (KS2) will receive the CO Crew CO Safety Pack that includes; a leaflet, pen, and keyring.

These resources will help to embed the learning and empower the young people even further to take the learning home and share with their household and peers, expanding the reach of the CO learning and awareness.

There will be tailored CO education sessions provided for Special Educational Needs schools throughout NGN, SGN and WWU network areas. Participants of these tailored sessions will receive the appropriate CO safety pack aligned to the session delivered (Safety Seymour/CO Crew) to support the learning and provide take home assets to share with their household and peers. SEN school participants will also receive a CO alarm to take home as we identified during our year one delivery that providing a CO alarm for SEN school participants helped them to engage with the learning and share it at home.

As well as these classroom-based sessions Bonanza Creative will be providing assembly sessions for KS1 and KS2 age groups in schools within NGN, SGN and WWU network areas. These assembly sessions include a 15-minute video incorporating Safety Seymour and the CO Crew to provide a high-level overview of the dangers of CO and CO safety advice. The video also provides details of the classroom sessions and how to book these, to encourage the schools/teachers to provide more in-depth CO learning for the young people.

All members of this partnership will work together to promote the programme to generate delivery in communities where there is greater vulnerability and in hard-to-reach communities, including Special Educational Needs schools.

As part of our programme promotion, we will be attending the School and Academies Show 2022 at the Birmingham NEC with representatives from Bonanza Creative to engage with senior leadership teams and budget holders from Schools, Academies, MATs, Local Authorities, and the wider education sector. We will be discussing our school program in detail with interested parties with a view to make contacts and bookings for the sessions this year and understand demand for the remainder of the GD2 period.

As a partnership we are committed to providing an inclusive educational programme for all young people. Bonanza Creative are experienced in delivering these activities with accessibility in mind, and they will adapt them to make them suitable for every young person's individual needs.

#### **Update August 2023**

Throughout the 22/23 academic year Bonanza Creative were able to reach over 14,400 pupils with either an in-depth CO session or high-level assembly. Following on from this successful delivery we are extending our CO education programme for the remainder of GD2 with a tailored approach based on individual GDN strategy as follows;

- NGN will continue with annual delivery consistent with their 22/23 programme (pro-rata for the 25/26 academic year due to GD2 ending 31 March 2026)
- SGN are increasing in-depth session capacity by 25% and assembly delivery by circa 20% each year (pro-rata for the 25/26 academic year due to GD2 ending 31 March 2026)

	<ul style="list-style-type: none"> <li>• WWU are continuing delivery on a pro rata basis through to the end of the 2023 calendar year, after which they will move their CO education programme fully internal to be delivered by their community ambassadors.</li> </ul> <p>Over the course of this three-year extension, we expect to educate, engage, and empower over 44,000 more young people, increasing their understanding of the dangers and ways in which they can prevent harm for themselves and others from CO, creating young CO ambassadors in communities throughout England, Scotland, and Wales.</p> <p><b>Update August 2024</b> Working closely with Bonanza Creative we've been able to put together a pilot delivery programme that will deliver classroom-based CO education sessions to 12–16-year-olds.</p> <p>These in-depth classroom-based sessions will be based around the existing 'Silent Killer' CO education role play activity previously developed by SGN for this age group, but with it being redesigned and updated to make it more suitable for delivery by the Bonanza Creative arts facilitators, and more engaging for the students taking part. There will be a supporting website to provide additional information, and a post session information booklet for pupils who receive the sessions to take home and share the information with their households.</p> <p>Throughout the 24/25 academic year Bonanza Creative will roll out the pilot programme to 12 schools across the Cadent, NGN, and SGN network areas.</p> <p>Following engagement with a particularly vulnerable community in the Glasgow area of Scotland, SGN will be adding a small, targeted programme for the 2024/25 academic year engaging with four Glasgow Primary schools to deliver 20 in-depth classroom-based CO education sessions and four school assemblies, one per school. This will lead to an additional 1,700 - 2,000 young people, increasing their understanding of the dangers and ways in which they can prevent harm for themselves and others from CO.</p>
<p><b>Why the Project is Being Funded Through the VCMA</b></p>	<p>This project operates across the NGN, SGN and WWU networks and aligns to several of our collective GDN CO Strategic ambitions, target audiences and delivery methods:</p> <p><b>Ambitions</b></p> <ul style="list-style-type: none"> <li>• Work with partners who share our joint ambition</li> <li>• Work to ensure inclusion to minimise communities at greater risk – those most at risk of harm and less engaged, making sure that language doesn't become a barrier to staying safe</li> <li>• Enable national programmes with consistent messaging for target communities</li> </ul> <p><b>Target Audiences</b></p> <ul style="list-style-type: none"> <li>• Customers across our network</li> <li>• People most affected by CO – over 65s and under 14s, and those with respiratory conditions</li> <li>• Customer segmentations deemed to have a higher risk of coming into contact with CO</li> <li>• Potential and existing partners</li> </ul> <p><b>Delivery</b></p> <ul style="list-style-type: none"> <li>• For-life messaging for children and young people</li> <li>• Working in partnerships with trusted intermediaries to access hard-to-reach groups</li> </ul> <p>This project meets the VCMA eligibility criteria as it will provide awareness on the dangers of CO through a defined set of outcomes, and in doing so will reduce the risk of harm caused by CO resulting in a positive Social Return on Investment.</p> <p><b>Update August 2024</b> This partnership operates across the Cadent, NGN and SGN networks and aligns to the gas networks joined up commitment to deliver support services for customers aligned to our four strategic pillars:</p> <ol style="list-style-type: none"> <li>1. Services Beyond the Meter</li> <li>2. Supporting Priority Customer Groups</li> <li>3. Fuel Poverty &amp; Energy Affordability</li> </ol>

	<p style="text-align: center;"><b>4. Carbon Monoxide Awareness</b></p> <p>This project aligns to strategic pillar 4.</p>
<p><b>Evidence of Stakeholder/Customer Support</b></p>	<p><b>SGN’s Future Thinkers Panel</b>  During a dedicated CO Safety session with SGN’s Future Thinkers Panel, which is made up of sixteen 14 – 16 year olds from across their network regions in Scotland and southern England, with key interests in topics like climate change, future energy solutions and STEM careers. One of the panel’s key recommendations was to make provide CO awareness through existing educational settings such as schools, youth groups and community groups. Their reasoning for this was that young people are more likely to listen to and learn information about CO safety in a formal setting that already has a focus on learning and building life skills.</p> <p><b>SGN’s Vulnerability Steering Group</b>  During 2020/21 our Vulnerable Steering Group has helped us shape our vulnerability and CO strategies and our priorities for GD2. They guided us to work with existing organisation that tap into the target audience and encouraged us to work with partners who have a shared ambition. Data tells us the target audience is correct and our shared ambition is to ensure young people are safe, informed and empowered to be ambassadors for us in the community. The Vulnerability Steering Group have endorsed SGN’s leadership in this initiative.</p> <p><b>GDN CO Collaboration Group</b>  Following the success of our year one CO education programme with Bonanza we discussed the potential to extend and expand our collaborative VCMA project for another academic year during our GDN CO Collaboration Group meetings. All GDNs and the strategic stakeholders who take part in the group supported continuing this partnership for at least another year.</p> <p><b>NGN Customers in Vulnerable Situations (CIVS) Workshops 2020 – 2021</b>  Asking NGN stakeholders what’s important – using our wide range of engagement mechanisms from strategic workshops to customer perceptions, we asked stakeholders to prioritise what is most important to them (including digital engagement in light of CV-19). During 2020-2021 we held multiple workshops with our stakeholders, on the subject of customers in vulnerable situations. During our CV-19 specific workshop, our stakeholders identified that education was an issue due to the pandemic. They stated that an education gap has grown for disadvantaged children. Some vulnerable children will have received no education during lockdown due to lack of access to services/internet/technology. This has therefore impacted social, literacy skills and development skills. Educating school children living in vulnerable situations, around CO safety messages, is critical to ensuring they and their families understand what to look out for and what actions to take to stay safe.</p> <p><b>NGN commissioned research around CO in January 2021.</b>  Some, if not all of the top actions from research commissioned by NGN around CO safety, will be addressed by supporting this project:</p> <ul style="list-style-type: none"> <li>• Target increasing awareness of the dangers of CO</li> <li>• Increase understanding of what CO actually is</li> <li>• Encourage people to get a CO alarm</li> <li>• Encourage people to test their alarms</li> </ul> <p><b>NGN Customer Engagement Group (CEG)</b>  This group provides an independent oversight into the actions we take to support our customers in vulnerable situations. Checking we’ve got it right – using a range of engagement mechanisms to assess and challenge our response to stakeholder feedback, ensuring we are responding in the right way. This has offered us robust challenges into how we deal with customers in vulnerable situations which meets the</p>

needs of our stakeholders. They support our efforts to educate young people on the dangers of CO.

**WWU Primary School CO education survey**

During December 2021 and January 2022, WWU carried out a survey of 40 primary schools within their network area to gain insight on CO education in schools. This survey provided the following insight:

- 80% of primary schools want some form of interaction with us regarding CO awareness raising
- 51% want engagement with both KS1 and KS2 age groups;
  - KS1 (4-7) only - 5%
  - KS2 (7-11) only - 43%
  - Both KS1 & KS2 - 51%
- 78% saying they wanted CO educational resources and in school sessions, with 64% also saying that an ‘All school film’ would be desirable;
  - Resources for class teachers to deliver - 45%
  - Resources and in school sessions - 78%
  - Resources and virtual instructor led sessions - 48%
  - All school film - 64%

**Bonanza Creative Artistic Director – Emmi Isham**

“Over the past 6 years we have been delivering this programme within schools and consistently receive incredibly positive feedback from pupils, parents, and teachers. Starting in its first year with 20 deliveries, it has now grown to 400 deliveries a year. This is because schools value the sessions so much that they keep returning year on year to educate their new intake of pupils. I cannot count the amount of times (whilst visiting a school) a teacher has located me or one of the Arts Facilitators to convey a story relating to CO and their lives, offering appreciation that we are offering this service in helping to educate children and families on this subject.”

**Bonanza Creative Teacher Feedback**

“Children went away with a new knowledge and could talk about it with their families and each other. They were talking to family members about how to keep safe.”

“The children enjoyed the interactive nature of the online session. They continue to talk about Carbon Monoxide safety.”

“Now the children know what carbon monoxide is, how it affects you & what the phone number is to call.”

“We thoroughly enjoyed it. The way you used drama and games to bring the learning to life really helped to reinforce the learning. Who could have thought that learning about Carbon Monoxide could be so fun!

“I just wanted to express my thanks to you for organising our virtual lesson and if you could pass on a special thanks to Trovy for today's sessions. The children were very excited and could retell everything they had learnt. They were so excited to take home their packs and share their new knowledge with their parents. Trovy's enthusiasm and way with the children was excellent in both sessions and she kept the children engaged throughout.”

**Outcomes, Associated Actions and Success Criteria**

**Outcomes**

Bonanza Creative will deliver CO educational sessions between September 2022 and July 2023, reaching approximately 14,618 young people in the following breakdown between NGN, SGN and WWU network areas:

GDN / Network	No. of sessions	Approx. no. of pupils*
NGN	40 Safety Seymour/CO Crew (North)	1,200
	40 Safety Seymour/CO Crew (South)	1,200
	4 SEN school day session	160



	5 Assemblies (high level video)	1,405
SGN Scotland	40 Safety Seymour/CO Crew	1,200
	2 SEN school day session	80
	3 Assemblies (high level video)	843
SGN South	100 Safety Seymour/CO Crew	3,000
	4 SEN school day session	160
	5 Assemblies (high level video)	1,405
WWU	40 Safety Seymour/CO Crew (Wales)	1,200
	40 Safety Seymour/CO Crew (South West)	1,200
	4 SEN school day session	160
	5 Assemblies (high level video)	1,405
	<b>Total</b>	<b>14,618</b>

*\*Based on average of 30 pupils per classroom session and 281 per assembly. SEN school day consisting of average of four sessions with 10 pupils per session.*

Due to the potential for opportunities to deliver additional sessions that may occur throughout the year, we will also build in the capacity for additional in-depth session delivery capped at the following numbers:

GDN / Network	Potential Additional Delivery	Potential additional pupils*
NGN	20 Safety Seymour / CO Crew	600
SGN Scotland	10 Safety Seymour / CO Crew	300
SGN South	20 Safety Seymour / CO Crew	600
WWU	20 Safety Seymour / CO Crew	600
	<b>Total</b>	<b>2,100</b>

Each young person taking part in the in-depth classroom sessions will be provided with a CO safety information pack corresponding to the content they have been taught; Safety Seymour for KS1, CO Crew for KS2.

#### **Associated Actions – for project lead (SGN)**

- Collation, monitoring and sharing of monthly reporting
- Bi-monthly meetings with Bonanza Creative to review impact, assess engagement and agree/implement additional communications to drive engagement if necessary
- Capture and share lessons learnt throughout the project
- Manage collaborative social media campaigns, content, timeline etc.
- Sharing of MI, reporting and case studies with all GDNs

#### **Associated Actions – for all GDNs**

- Provide details of communities in greatest need to target activities to as required. This could be based on CO job statistics, areas of vulnerability etc
- Assist where possible in identifying potential schools to take part in the programme
- Support with collaborative social media campaigns, assisting with content and posting/sharing in line with agreed timeline

#### **Associated Actions – for Bonanza Creative**

- Manage collaborative social media campaigns, content, timeline etc.
- Provision of monthly updates and reporting
- Bi-monthly meetings with SGN to review impact, assess engagement and agree/implement additional communications to drive engagement if necessary

#### **Success Criteria – Updated August 2023**

- Number of young people in KS1/KS2 educated on the dangers of CO through in-depth classroom sessions 2022 – 2026: Approx. 33,500
  - Including up to 350 young people in SEN schools
- Number of young people provided with high level CO safety information through assemblies – approx. 25,300
- Reach and engagement stats for social media posts
- Quality case studies gathered and shared to promote partnership
- Positive feedback from participating schools and their teachers on the programme, learnings, and delivery
- Positive feedback from the families of those that take part in the CO education sessions

### Update August 2023

Bonanza Creative will build on the successful CO education programme they delivered in the 22/23 academic year to deliver CO education sessions aligned to individual GDN requirements from September 2023 – March 2026. Based on actual delivery for the 22/23 academic year and forecast delivery through to March 2026 we expect to provide approximately 58,880 young people with awareness on the dangers of CO, signs and symptoms, and how to keep themselves and others safe.

This is broken down as follows:

GDN / Network	Session Type	22/23 Delivery (Actual)	23/24 Forecast	24/25 Forecast	25/26 Forecast *Pro-rata	Approx. no. of pupils*
NGN	Safety Seymour/CO Crew (avg. 30 pupils)	90	80	80	48	8,940
	SEN session (avg. 10 pupils)	0	4	4	4	120
	Assemblies (avg. 281 pupils)	5	5	5	3	5,058
SGN Scotland	Safety Seymour/CO Crew (avg. 30 pupils)	45	50	60	45	6,000
	SEN session (avg. 10 pupils)	0	2	2	2	60
	Assemblies (avg. 281 pupils)	3	8	10	8	8,149
SGN South	Safety Seymour/CO Crew (avg. 30 pupils)	112	125	155	115	15,210
	SEN session (avg. 10 pupils)	0	4	4	4	120
	Assemblies (avg. 281 pupils)	4	10	12	10	10,116
WWU	Safety Seymour/CO Crew (avg. 30 pupils)	76	27	N/A	N/A	3,090
	SEN session (avg. 10 pupils)	1	4	N/A	N/A	50
	Assemblies (avg. 281 pupils)	5	2	N/A	N/A	1,967
					<b>Total</b>	<b>58,880</b>

As in 22/23 Each young person taking part in the in-depth classroom sessions will be provided with a take home CO safety information pack corresponding to the content they have been taught; Safety Seymour for KS1, CO Crew for KS2.

Those taking part in the SEN sessions will receive the take home CO safety information packs, plus a CO alarm to help encourage the learning to be shared at home.

### Update August 2024

We've added in an additional pilot programme for the 2024/25 academic year delivering in-depth classroom CO education sessions for 12-16-year-olds through 12 schools.

Through these 12 schools we expect to reach around 2,590 12-16-year-olds providing CO education.

	<p>This is broken down as follows:</p> <table border="1" data-bbox="424 232 1351 407"> <thead> <tr> <th>GDN / Network</th> <th>School sessions to be delivered between Sept 2024 – July 2025</th> <th>12-16 yr old pupils</th> </tr> </thead> <tbody> <tr> <td>Cadent</td> <td>5 schools across network</td> <td>1,080</td> </tr> <tr> <td>NGN</td> <td>1 school north / 1 school south</td> <td>430</td> </tr> <tr> <td>SGN</td> <td>5 schools across network</td> <td>1,080</td> </tr> <tr> <td></td> <td style="text-align: right;"><b>Total</b></td> <td><b>2,590</b></td> </tr> </tbody> </table> <p>The additional outcomes for the SGN only Glasgow specific targeted CO education programme are detailed as follows:</p> <table border="1" data-bbox="424 488 1235 719"> <thead> <tr> <th>GDN / Network</th> <th>Session Type</th> <th>Sept 24 – July 25 Forecast</th> <th>Approx. no. of pupils</th> </tr> </thead> <tbody> <tr> <td rowspan="2">SGN</td> <td>Safety Seymour/CO Crew (avg. 30 pupils)</td> <td>20</td> <td>600</td> </tr> <tr> <td>Assemblies (avg. 281 pupils)</td> <td>4</td> <td>1,124</td> </tr> <tr> <td></td> <td style="text-align: right;"><b>Total</b></td> <td></td> <td><b>1,724</b></td> </tr> </tbody> </table>	GDN / Network	School sessions to be delivered between Sept 2024 – July 2025	12-16 yr old pupils	Cadent	5 schools across network	1,080	NGN	1 school north / 1 school south	430	SGN	5 schools across network	1,080		<b>Total</b>	<b>2,590</b>	GDN / Network	Session Type	Sept 24 – July 25 Forecast	Approx. no. of pupils	SGN	Safety Seymour/CO Crew (avg. 30 pupils)	20	600	Assemblies (avg. 281 pupils)	4	1,124		<b>Total</b>		<b>1,724</b>
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<p><b>Project Partners and Third Parties Involved</b></p>	<p><b>Joint VCMA Funders:</b> Gas Distribution Companies: NGN, SGN and WWU</p> <p><b>Update August 2024</b> Cadent Gas, NGN and SGN – Joint funders of the 2024/25 12–16-year-old pilot programme</p> <p><b>Delivery Partner:</b> Bonanza Creative</p>																														
<p><b>Potential for New Learning</b></p>	<p>We expect to get further understanding of young peoples' willingness to engage and learn about the dangers of CO through classroom-based school sessions delivered by trusted and established school education delivery partners such as Bonanza Creative.</p> <p>We will use the insights from this project to understand the outcomes of in school education programmes. This will inform future potential partnerships and projects with the possibility to mirror the model for other subjects.</p> <p>We will understand how effective it is to engage students in SEN schools about CO to help keep them and their families safe and warm, and how best to successfully engage with SEN Schools as we deliver new initiatives that aim to deliver effective and targeted CO engagement.</p>																														
<p><b>Scale of VCMA Project and SROI Calculations</b></p>	<p><b>Scale</b> Taking the learning from our initial year one pilot project we have more than doubled the number of CO education sessions being delivered and added contingency to allow for over delivery should there be opportunities to do carry out more sessions.</p> <p>For year two this education programme will provide CO education to at least 14,618 young people. With potential for up to an additional 2,100 young people being educated on CO should there be opportunities identified and capacity available. For this SROI forecast however we have only calculated based on the confirmed delivery and associated costs.</p> <p>Research carried out by SIA partners as part of their SROI calculations showed that education provided to a young person will on average reach an additional 1.4 people through shared learning. Therefore, from CO educational reach of 14,618 young people we can expect a total CO awareness shared learning reach of 35,083 people.</p> <p><b>SROI</b> We worked with leading social impact research consultancy SIA Partners to carry out an assessment of the financial and wellbeing outcomes applicable to our CO School education programme for young people and services for vulnerable customers incorporated in this partnership. Carrying out an in-depth assessment of the predicted outcomes for the confirmed programme (excluding the additional contingency) we forecast a positive net social return of £2.51</p>																														

<b>Total cost</b>	£157,763.22
<b>Total gross present value</b>	£516,644.42
<b>NPV</b>	£395,895.32
<b>SROI</b>	£2.51

### Update August 2023

#### Scale

Using learning from both year one and two delivery of our CO school education programme with Bonanza Creative and aligning this to each participating GDN's strategic aims we have scoped a programme that enables us to reach over 58,000 young people with CO education over between September 2023 and March 2026.

Research carried out by SIA partners as part of their SROI calculations showed that education provided to a young person will on average reach an additional 1.4 people through shared learning. Therefore, from CO educational reach of 58,880 young people we can expect a potential CO awareness shared learning reach of up to 141,312 people.

#### SROI

We work with leading social impact research consultancy SIA Partners who carried out an assessment of the financial and wellbeing outcomes applicable to our CO School education programme for young people and services for vulnerable customers incorporated in this partnership for year one. Using this methodology and approach we have extended the forecast to account for the additional delivery and anticipated outcomes throughout the full duration of the extended of the programme. Carrying out an in-depth assessment of the predicted outcomes across the duration of the programme from 22/23 – 25/26 we forecast a positive net social return of £2.35

<b>Total cost</b>	£566,731.69
<b>Total gross present value</b>	£1,752,961.09
<b>NPV</b>	£1,334,515.67
<b>SROI</b>	£2.35

Although the SROI has decreased slightly for the extension of this project, that is largely down to the cost inflation over the programme duration rather than any decrease in outcomes, and as the project is still set to deliver a net present value of over £1.3m we still believe this is an extremely worthwhile and beneficial project.

### Update August 2024

Using the SROI forecast SIA Partners carried out for our CO School education programme for young people and services for vulnerable customers incorporated in this partnership, we carried out an assessment of the additional 12-16-yr-old pilot programme outcomes and the associated costs. For this pilot we forecast a positive net social return of £0.55. This SROI is lower than our 5-11-yr-old education programme due to the cost to create the new programme and mobilise leading to a relatively high cost to serve for this pilot.

#### KS3 Pilot SROI

<b>Total cost</b>	£62,913.00
<b>Total gross present value</b>	£97,511.33
<b>NPV</b>	£34,598.33
<b>SROI</b>	£0.55

When combining the social values and costs for the original 5-11-yr-old programme, adjusted to account for the additional targeted Glasgow schools in 24/25 for SGN, and the new 12-16-yr-old pilot programme, the revised overall net SROI forecast is £2.34.

#### Revised overall SROI

<b>Total cost*</b>	£636,891.22
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	<table border="1"> <tr> <td><b>Total gross present value</b></td> <td>£2,060,995.99</td> </tr> <tr> <td><b>NPV</b></td> <td>£1,488,695.48</td> </tr> <tr> <td><b>SROI</b></td> <td>£2.34</td> </tr> </table> <p><i>*Accounting for inflationary factors over the duration of the project</i></p>	<b>Total gross present value</b>	£2,060,995.99	<b>NPV</b>	£1,488,695.48	<b>SROI</b>	£2.34
<b>Total gross present value</b>	£2,060,995.99						
<b>NPV</b>	£1,488,695.48						
<b>SROI</b>	£2.34						
<b>VCMA Project Start and End Date</b>	Second year full rollout: 01/09/22 – 31/07/23 <b>Update August 2023</b> Extended for remainder of GD2: 01/09/23 – 31/03/26.						
<b>Geographical Area</b>	This project will take place nationally across England, Scotland, and Wales within the distribution footprints of Northern Gas Networks, SGN and Wales & West Utilities.  <b>Update August 2024</b> The 12-16 year old pilot programme being delivered in the 24/25 academic year will take place within the distribution footprints of Cadent, Northern Gas Networks, and SGN						
<b>Internal governance and project management evidence</b>	<b>Update August 2024</b> SGN have worked alongside Bonanza Creative on behalf of all of participating gas networks to co-design this partnership and ensure that its ambition contributes to the delivery of the gas networks collaborative Vulnerability Strategy and Carbon Monoxide Strategy and adheres to the updated VCMA governance criteria.  The SROI was forecast using the shared DNO methodology with GDN specific proxies included.  As detailed above have updated the SROI assessment to add in the additional costs and outcomes which has led to a forecast adding £2.34 for each £1 invested, this will be monitored closely to ensure we adhere to the VCMA governance criteria.  To support the partnership to deliver the success criteria outcomes as detailed, we will work closely with Bonanza Creative to ensure a quality service. Meeting monthly to review ongoing reporting and any challenges, and quarterly to review outcomes, learn, share best practices, and address any delivery issues.  The PEA has been drafted by the business lead Dan Edwards from SGN and has been reviewed by representatives of the GDN Carbon Monoxide Group and signed off by the senior leaders of all participating GDNs.						

### Gas Network Vulnerability and Carbon Monoxide Allowance (VCMA) Governance Document - PEA Control Table

In order to ensure that a VCMA project is registered in accordance with the Ofgem VCMA governance document (incl. project eligibility assessment), the below table should be completed as part of the project registration process.																							
<p>Stage 1: GDN Collaboration Group PEA Review  <b>Meeting date review completed: 05/09/23</b>  <b>Review completed by:</b></p> <table border="1"> <thead> <tr> <th>GDN:</th> <th>Name:</th> <th>Job Title:</th> </tr> </thead> <tbody> <tr> <td>NGN</td> <td>Steve Dacre</td> <td>Vulnerability Innovations Lead</td> </tr> <tr> <td>SGN</td> <td>Kerry Potter</td> <td>Groups Social Impact and Vulnerability Manager</td> </tr> <tr> <td>WWU</td> <td>Elizabeth Warwick</td> <td>Stakeholder Engagement Manager</td> </tr> </tbody> </table> <p><b>Update August 2024</b></p> <table border="1"> <thead> <tr> <th>GDN:</th> <th>Name:</th> <th>Job Title:</th> </tr> </thead> <tbody> <tr> <td>Cadent</td> <td>Shelley Snow</td> <td>Safeguarding &amp; Community Partnership Lead</td> </tr> <tr> <td>NGN</td> <td>Steph Ord</td> <td>VCMA Project Coordinator &amp; CO Lead</td> </tr> </tbody> </table>			GDN:	Name:	Job Title:	NGN	Steve Dacre	Vulnerability Innovations Lead	SGN	Kerry Potter	Groups Social Impact and Vulnerability Manager	WWU	Elizabeth Warwick	Stakeholder Engagement Manager	GDN:	Name:	Job Title:	Cadent	Shelley Snow	Safeguarding & Community Partnership Lead	NGN	Steph Ord	VCMA Project Coordinator & CO Lead
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SGN	Dan Edwards	Social Impact Programme Lead
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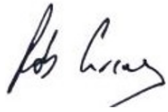
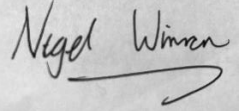
Stage 2: GD2CVG Panel Review  
**Meeting date sign off agreed: 14/09/23**  
**Review completed by:**

GDN:	Name:	Job Title:
NGN	Eileen Brown	Customer Experience Director
SGN	Maureen McIntosh	Head of Customer Experience

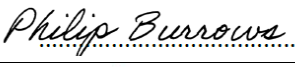


**Update August 2024**

GDN:	Name:	Job Title:
Cadent	Phil Burrows	Head of Customer Vulnerability
NGN	Eileen Brown	Customer Experience Director
SGN	Maureen McIntosh	Director of Customer Service

Step 3: Participating GDN individual signatory sign-off

GDN	Name:	Job Title:	Signature:	Date:
NGN:	Eileen Brown	Customer Experience Director		14.9.23
SGN:	Rob Gray	Director of Stakeholder & Communications		29/09/23
WWU:	Nigel Winnan	Head of Customer and Social Obligations		6 <sup>th</sup> Sept 2023

**Update August 2024**

GDN	Name:	Job Title:	Signature:	Date:
Cadent:	Phil Burrows	Head of Customer Vulnerability		09/10/24
NGN:	Eileen Brown	Customer Experience Director		05.08.2024
SGN:	Maureen McIntosh	Director of Customer Service		09/10/24

Step 4: Upload PEA Document to the Website & Notification Email Sent to Ofgem (vcma@ofgem.gov.uk)

Date that PEA Document Uploaded to the Website: Dates may vary as each GDN will individually upload on their websites.

Date that Notification Email Sent to Ofgem: 04/01/22  
Date Aug 23 update sent to Ofgem: October 2023  
Date Aug 24 update sent to Ofgem: October 24