

August 2023

ENFORCEABLE UNDERTAKING

Part 11

Work Health and Safety Act 2011

The commitments in this enforceable undertaking
are given by

Origin Energy LPG Limited

ACN: 000 508 369

to SafeWork NSW and accepted by SafeWork NSW

Privacy statement

SafeWork NSW respects your privacy and is committed to protecting personal information. The information provided on this document is for the purpose of making an undertaking to SafeWork NSW given for the purposes of part 11 of the WHS Act. This information will be managed within the requirements of the current state government privacy regime.

SafeWork NSW may publish the undertaking and the information contained in it for purposes identified in the undertaking or for other appropriate legal purposes in various publications such as newspapers and on its website. SafeWork NSW may be required to disclose personal information to other regulatory agencies in accordance with other law enforcement activities which may be conducted as part of an investigation. Further information on our privacy policy is available at safework.nsw.gov.au.

Purpose

The purpose of this enforceable undertaking is to document the undertakings given to SafeWork NSW and accepted by SafeWork NSW pursuant to Part 11 of the Work Health and Safety Act 2011 (**WHS Act**) in connection with matters relating to alleged contraventions of the WHS Act or the Work Health and Safety Regulations 2011 (**the Regulations**). The Agreed Terms of the Enforceable Undertaking are set out below.

Section 1 – General information

a. Details of the person giving the undertaking

Registered Address:	Level 32, Tower 1 100 Barangaroo Ave Barangaroo NSW 2000
Postal address:	Level 32, Tower 1 100 Barangaroo Ave Barangaroo NSW 2000
Telephone contact:	[REDACTED]
Email address:	[REDACTED]@originenergy.com.au
Legal structure:	Australian Public Company
Type of business:	Origin Energy LPG Limited is a proprietary company limited by shares. It serves approximately 234,000 direct customers and sells in excess of 310 kt of LPG in Australia annually; operates 11 Major Hazard Facilities nationally, two of which are in NSW (Minto and Newcastle); has 48 LPG terminals in Australia and 19 in the Pacific, and of those, 17 terminals are in NSW; operates 5 ships across Australia and the Pacific delivering product to Origin LPG's seaboard terminal networks; and owns and operates approximately 300 trucks in its vehicle fleet.
Commencement date of the entity:	29 September 1965
Number of workers¹:	Full-time: 559 Part-time: 30 Casual: 1
Products and/or services:	Sale of liquified petroleum gas (LPG), including tank installations, on-site refills and bottled gas deliveries.
Comments:	Origin Energy LPG Limited cares about the wellbeing of our people and our impact on the environment.

¹ Origin Energy LPG Limited does not employ any workers directly, rather workers are employed by its parent company, Origin Energy Limited. These numbers represent the Australian workforce and do not include contractors or workers in Origin Energy LPG Limited's Asia-Pacific operations.

b. Commencement

This Undertaking comes into effect when:

- i. the Undertaking is executed by Origin Energy LPG Limited;
- ii. SafeWork NSW accepts the executed Undertaking (**Commencement Date**).

c. Duration

- i. Section 5 identifies timeframes for the completion of each strategy identified in this enforceable undertaking;
- ii. the enforceable undertaking will be concluded on written advice from SafeWork NSW to Origin Energy LPG Limited when all requirements of the undertaking have been satisfactorily executed.

Section 2 – The alleged contravention

a. Details of the alleged contravention

It is alleged by SafeWork NSW that on 20 March 2020, Origin Energy LPG Limited failed to discharge its obligations as a person conducting a business or undertaking under sections 19 and 32 of the WHS Act in that it did not ensure so far as reasonably practicable the health and safety of workers.

b. Details of the events surrounding the alleged contravention

It is alleged that at approximately 8:57 pm on 20 March 2020, an incident occurred at Origin Energy LPG Limited's Minto LPG cylinder filling, storage and distribution Terminal at 26 Pembury Road Minto NSW (Site) in which an explosion and jet fire occurred while a worker was filling a 15 kg LPG cylinder using a cylinder filling carousel. The fire spread to other cylinders on the carousel and caused damage to the carousel, several cylinders and ancillary equipment (Incident). Within 4 seconds of the ignition of the fire, a worker activated the LPG cylinder conveyor stop button. Within 7 seconds a worker had activated the emergency stop device. At this time, the three workers who were on Site immediately evacuated the Site, advised a neighbouring business of the fire and to evacuate, mustered on Pembury Road and called Emergency Services.

Fire and Rescue NSW arrived at the Site approximately 10 minutes later and the fire was extinguished at approximately 10:10 pm on 20 March 2020.

c. The details of any injury that arose from the alleged contravention

No injuries were sustained, however a worker singed his hair in the Incident. Each of the three workers at the Site at the time of the Incident returned to work at their next scheduled shift following the Incident.

d. An acknowledgement that SafeWork NSW alleged a contravention has occurred

It is acknowledged by Origin Energy LPG Limited that SafeWork NSW has alleged that Origin Energy LPG Limited has contravened sections 19 and 32 of the WHS Act.

e. A statement of regret that the incident occurred

Origin Energy LPG Limited regrets that the incident on 20 March 2020 occurred.

Note: the above is not an admission of guilt

f. Prior work health and safety convictions

Origin Energy LPG Limited has had no prior work health and safety convictions in NSW or other work health safety jurisdictions.

Section 3 – Enforcement Notices and Rectifications

a. The details of any enforcement notices issued that relate to the alleged contravention

Were enforcement notices received?

Yes

The following Prohibition and Improvement Notices were issued in relation to the Incident:

Date issued	Notice type	Notice number	Contravention	Action taken in response to notice
21 March 2020	Prohibition Notice	No. 55213 (7-372720)	<p>Alleged contravention s19 WHS Act.</p> <p>Directed Origin Energy LPG Limited to stop the use of the cylinder filling carousel to fill LPG cylinders until a competent person deems that both the LPG cylinder filling carousel and the seven 15kg LPG bottles attached to the carousel are repaired, fit for use or disposed of.</p>	<p>Origin Energy LPG Limited appointed a suitably qualified contractor to carry out carousel rectification works in accordance with applicable codes and standards.</p> <p>The mechanical and electrical equipment was commissioned in accordance with the manufacturer’s guidelines, industry and Australian standards and sat isolated (tagged out) pending approval from a SafeWork NSW Inspector before it was operated again.</p> <p>The destruction of the seven (7) affected 15kg alloy forklift cylinders was carried out under the supervision of Origin Energy LPG Limited Minto Terminal Manager and an SAI Global accredited LPG Cylinder Test Station Manager.</p> <p>On 13 July 2020, SafeWork NSW emailed Origin Energy LPG Limited informing that it had closed off Prohibition Notice No. 55213 (7-372720).</p>
25 March 2020	Improvement Notice	No. 7-372799	<p>Alleged contravention s19 WHS Act, clause 355 WHS Regulation.</p> <p>Directed Origin Energy LPG Limited to:</p> <p>(a) ensure that ignition source is not</p>	<p>Origin Energy LPG Limited implemented the following measures prior to the commencement of LPG cylinder filling at the Site:</p> <p>(a) all new electrical equipment was installed and inspected in accordance with AS60079 for installation in a hazardous area;</p>

Date issued	Notice type	Notice number	Contravention	Action taken in response to notice
			<p>introduced into the hazardous area;</p> <p>(b) investigate the source of the ignition that caused the fire; and</p> <p>(c) review all equipment in the hazardous area and ensure that they are fit for purpose and appropriate to be used in the hazardous area.</p>	<p>(b) all PPE to be used by operators at the Site was inspected and verified for compliance with Origin's non-static standards; and</p> <p>(c) electrical inspections were completed to verify all equipment, and that the building structure was earthed in accordance with the Australian Standards.</p> <p>Origin Energy LPG Limited investigated the most likely source of the ignition that caused the fire and provided SafeWork NSW with a copy of that internal investigation report.</p> <p>Origin Energy LPG Limited conducted a full inspection of all equipment in the hazardous area of the Site to ensure that the equipment was fit for purpose and appropriate for use in the hazardous area and provided SafeWork NSW with a copy of that inspection report.</p> <p>On 25 June 2020, SafeWork NSW emailed Origin Energy LPG Limited informing that it had closed off Improvement Notice No. 7-372799.</p>
25 March 2020	Improvement Notice	No. 7-372800	<p>Alleged contravention s20 WHS Act and clause 40 WHS Regulation.</p> <p>Origin Energy LPG Limited directed to ensure that the cylinder filling platform is maintained so as to allow for persons to enter and exit and move about without risks to health and safety, both under normal working conditions and in an emergency.</p>	<p>Origin Energy LPG Limited engaged a suitably qualified contractor to review, and attend to works to update access and egress routes to the cylinder refuelling platform and issue a certificate of compliance for those works against all relevant Australian Standards. This included installing a new egress ladder to provide an additional alternative egress pathway from the cylinder refuelling platform in the event of an emergency.</p> <p>On 1 June 2020, SafeWork NSW emailed Origin informing that it had closed off Improvement Notice No. 7-372800.</p>
25 March 2020	Improvement Notice	No. 7-372803	<p>Alleged contravention of s20 WHS Act and clause 556 of WHS Regulation.</p> <p>Directed Origin Energy LPG Limited to ensure:</p> <p>(a) preventative controls are implemented to</p>	<p>Origin Energy LPG Limited's response to the Improvement Notice outlined the preventative and mitigating control measures identified in the Minto Safety Case Report (LPG-MIO-RAC-RPT-0001) (Safety Case), and supplementary additional controls identified subsequent to the Safety Case, that had been and will continue to be implemented at the Site in</p>

Date issued	Notice type	Notice number	Contravention	Action taken in response to notice
			<p>minimise major incident, H07 – release of LPG during cylinder filling; and</p> <p>(b) mitigating controls are implemented to minimise the major incident’s magnitude and severity of its consequences.</p>	<p>respect of Major Incident H07 – release of LPG during cylinder filling.</p> <p>On 25 June 2020, SafeWork NSW emailed Origin Energy LPG Limited informing that it had closed off Improvement Notice No. 7-372803.</p>
7 May 2020	Improvement Notice	No. 7-374895	<p>Alleged contravention of s20 WHS Act and clause 37 WHS Regulations.</p> <p>Directed Origin Energy LPG Limited to ensure that the control measure to prevent against the ingress of external atmosphere (present of flammable gas) into the carousel and conveyor control panels is maintained so that it remains effective, and ensure that all electrical equipment installed in a hazardous are remains in working order.</p>	<p>Origin Energy LPG Limited engaged a suitably qualified contractor to disconnect the outgoing electrical supply to the LPG bottle fill carousel and cylinder conveyor system.</p> <p>Origin Energy LPG Limited also organised for a rebuild of the Minto carousel to remove the old electrical cabinets and relocate them 40 meters away in a designated electrical room. The scope of works for the refurbishment included electrical strip down of damaged equipment and design and supply of a carousel control cabinet, PLC program, marshalling box and Scada system.</p> <p>On 17 May 2020, SafeWork NSW emailed Origin Energy LPG Limited informing that it had closed off Improvement Notice No. 7-374895.</p>
7 May 2020	Improvement Notice	No. 7-374898	<p>Alleged contravention of s20 WHS Act and clause 558 WHS Regulations.</p> <p>Directed Origin Energy LPG Limited to ensure that there is performance monitoring for the control measure to prevent against the ingress of external atmosphere (present of flammable gas) into the carousel and conveyor control panels.</p>	<p>Origin Energy LPG Limited engaged a suitably qualified contractor who confirmed electrical disconnection of carousel and conveyor belt cabinets.</p> <p>On 18 May 2020, SafeWork emailed Origin Energy LPG Limited informing that it had closed off Improvement Notice No. 7-374898.</p>

b. Any rectifications or changes made to work health and safety systems and/or practices as a result of the alleged contravention

System and process enhancements have occurred since the Incident

Origin Energy LPG Limited responded to the Incident by putting in place a number of short-term measures for immediate action. Origin Energy LPG Limited has also enhanced and changed a number of operational processes in the medium term. These post Incident enhancements to existing systems and processes have been made with the benefit of learning gained from the Incident. These steps have been undertaken both in response to the Improvement and Prohibition Notices issued by SafeWork NSW, as outlined above, but also reflect an institutional willingness to continue to learn, enhance safety systems and processes taking into account new information arising from the Incident, and/or new information in relation to safety matters when it becomes available either at a general industry level, or through Origin Energy LPG Limited's specific business activities.

In addition to the measures outlined in the table above, the following additional changes were made to WHS systems and practices as a result of the alleged contravention:

Description	\$ Amount (ex. GST)
LPG Filling Carousel Repairs: <ul style="list-style-type: none"> (a) Rebuild of main frame of carousel (b) Installation of new carousel equipment (c) Installation of associated electrical components (d) Installation of safety system for electrical slip ring purge (e) Repair of existing scavenger tank cabling and local lighting (f) Installation of pneumatic valves, fitting and controls for cylinder fill guns and cylinder ejection rams (g) Repairs to roof covering the carousel (including replacement of structural beams and sheeting material) 	\$500,533
Supply and installation of new Miyari filling guns	\$38,710
Supply and installation of gas detectors	\$43,624
Access and Egress Improvements <ul style="list-style-type: none"> (a) Installation of ladder and bollard for emergency egress (b) Installation of platform around the carousel and emergency exit opening to the building 	\$29,282
Miscellaneous electrical works	\$21,273
Other Plant and Equipment Upgrades <ul style="list-style-type: none"> (a) Carousel static dissipating mat (b) Installation of piping relief vales on Tank 3 (c) Install LES at load bay (d) Upgrade bypass valve on Tank 2 (e) Relocate decant shed (f) Installation of air receiver and scrubber 	\$103,459
Development and distribution of 'HSE Alert - Fire in Operating Plant' on 23 March 2020	Internal labour – the cost of these activities has not been quantified.
Development and distribution of 'HSE Notice - Personal Protective Equipment - Clothing' – published on 6 May 2020	Internal labour – the cost of these activities has not been quantified.

Description	\$ Amount (ex.GST)
All PPE to be used by operators at the Minto Terminal was inspected and verified for compliance with Origin's non-static standards.	Internal labour – the cost of these activities has not been quantified.
Development and distribution of 'LPG Operations Notice - Filing LPG Cylinders by Weight' – published on 1 June 2020	Internal labour – the cost of these activities has not been quantified.

TOTAL AMOUNT SPENT ON RECTIFICATIONS (EX. GST)

\$736,881

Section 4 – Statements, commitments, and acknowledgements

a. A commitment that the behaviour that led to the alleged contravention has ceased and will not reoccur

Origin Energy LPG Limited commits that the behaviour that led to the alleged contravention has ceased and that it will take all reasonably practicable steps to prevent recurrence of this type of incident.

b. A statement of assurance about future work health and safety behaviour

Origin Energy LPG Limited is committed to complying with its obligations under the WHS Act and ensuring, so far as reasonably practicable the health and safety of all workers and those who may be affected by its business or undertakings.

c. A commitment to the ongoing effective management of work health and safety risks

Origin Energy LPG Limited commits that it will, so far as reasonably practicable, maintain ongoing effective management of work health and safety risks.

d. An acknowledgement that the enforceable undertaking will be published and publicised

Origin Energy LPG Limited acknowledges that the enforceable undertaking will be published on SafeWork NSW's internet site until the completion of the enforceable terms and may be referenced in SafeWork NSW's publications.

e. A statement of ability to comply with the terms of the enforceable undertaking

Origin Energy LPG Limited acknowledges that it has the financial ability to comply with the terms of this enforceable undertaking and has provided evidence with this undertaking to support this declaration.

f. An acknowledgement consultation has occurred within the workplace regarding the proposal of an enforceable undertaking

Origin Energy LPG Limited acknowledges that it has consulted within the workplace in relation to the development of the enforceable undertaking proposal, including consultation with:

- (a) in relation to Strategy 3, its employees who have previously attended various sessions run by Gotcha4Life. Employees have advised that Gus Worland's approach is relatable and that the sessions attended were valuable;
- (b) in relation to Strategy 4, its employees involved in responding to previous major flood events in New South Wales;
- (c) Origin Energy LPG Limited's executive management team who are aware of, and understand, that should Origin Energy LPG Limited's proposal for an enforceable undertaking be accepted, the implementation of an enforceable undertaking will require an ongoing significant investment of time and resources. Origin Energy LPG Limited's executive team have discussed in detail the circumstances related to the Incident and have provided their full support for Origin to pursue an enforceable undertaking.

g. Statement regarding relationships with other parties

Origin Energy LPG Limited advises that there is an existing relationship held with Gotcha4Life identified at Strategy 3 in Section 5 of this enforceable undertaking. Origin Energy LPG Limited does not have a proprietary or financial interest in Gotcha4Life. Gotcha4Life is a not-for-profit foundation with a goal of zero suicides, taking action by delivering mental fitness programs that engage, educate and empower local communities. Since 2020, Gotcha4Life has partnered with Origin Energy Limited (and its related bodies corporate) on a series of mental health and mental fitness initiatives associated with Origin's COVID-19 support, Safety Month and R U Okay? Day.

Origin Energy LPG Limited advises that there is an existing relationship held with Gas Energy Australia (**GEA**) identified at Strategy 4 and Strategy 5 in Section 5 of this enforceable undertaking. GEA is the national peak body representing the downstream gas fuels industry, encompassing Liquefied Petroleum Gas (LPG), Liquefied Natural Gas (LNG), Compressed Natural Gas (CNG), Hydrogen (H₂) and new renewable gases. Origin Energy LPG Limited is a member of GEA and has a long-standing relationship with GEA (and its predecessor the Australian Liquefied Petroleum Gas Association). Origin Energy LPG Limited does not have a proprietary or financial interest in GEA. Amber Fennell, the General Manager of Origin Energy LPG Limited is on the GEA Board.

Origin Energy LPG Limited advises that there is an existing relationship held with AECOM Australia identified at Strategy 3 in Section 5 of this enforceable undertaking. Origin Energy LPG Limited does not have a proprietary or financial interest in AECOM Australia. AECOM Australia is an infrastructure consultancy firm delivering design, planning, engineering, consulting and construction management solutions. Origin Energy Limited (and its related bodies corporate) has engaged AECOM Australia on a third-party consultancy basis to work on projects and activities requiring detailed technical design and or specialist technical expertise.

The Centre for Static Electricity and Lightning Protection (**CSELP**) will be consulted in the development of proposed updated guidelines for submission to Standards Australia under Strategy 5 in Section 5 of this enforceable undertaking. CSELP will not obtain any monetary benefit and Origin Energy LPG Limited does not have a pre-existing relationship with CSELP.

Origin Energy LPG Limited has an indirect pre-existing relationship with Standards Australia. Standards Australia is the country's leading independent, non-governmental not-for profit standards organisation. Origin Energy LPG Limited has representatives on GEA technical committees that provide feedback prior to any changes in Australian Standards.

Origin Energy LPG Limited has an indirect pre-existing relationship with Engineers Australia, in that it is the peak body for the engineering profession in Australia, including engineers employed by Origin. Under Strategy 5 in section 5 of this enforceable undertaking, Engineers Australia will receive the updated guidelines and associated briefing materials to upload on its continuing professional development online platform.

Other third parties who may potentially derive a benefit from the outcomes of this enforceable undertaking are the individuals and/or organisations who receive guidance or information developed under the strategies in Section 5 of this enforceable undertaking, or otherwise facilitate or attend industry presentations or workshops, as contemplated by Section 5 of this enforceable undertaking.

h. Intellectual property licence

Origin Energy LPG Limited grants SafeWork NSW a permanent, irrevocable, royalty-free, worldwide, non-exclusive license to use, reproduce, distribute, electronically transmit, electronically distribute, adapt, and modify any materials developed as a result of this enforceable undertaking.

i. A commitment to participate constructively in all compliance monitoring activities of the undertaking

Origin Energy LPG Limited acknowledges that the responsibility for demonstrating compliance with this undertaking rests with Origin Energy LPG Limited. Evidence to demonstrate compliance with the terms will be provided to SafeWork NSW by the due date for each Strategy item identified in Section 5.

Origin Energy LPG Limited acknowledges that SafeWork NSW may undertake other compliance monitoring activities to verify the evidence that is provided for each Strategy item identified in Section 5. The evidence provided to demonstrate compliance with the undertaking will be retained by Origin Energy LPG Limited until advised by SafeWork NSW that the undertaking has been completely discharged.

Origin Energy LPG Limited acknowledges that SafeWork NSW may initiate additional compliance monitoring activities, such as inspections, as considered necessary.

Origin Energy LPG Limited acknowledges that should there be any delay in the delivery or compliance of the enforceable undertaking this will be subject to mutual agreement (confirmed in writing) between Origin Energy LPG Limited and SafeWork NSW.

j. A commitment regarding linking the strategy and promotion of benefits to the enforceable undertaking

Origin Energy LPG Limited is committed to ensuring that any real or perceived promotion of a benefit arising from this enforceable undertaking will clearly link the benefit to the enforceable undertaking and that the enforceable undertaking was entered into as a result of the alleged contravention identified in Section 2 above.

Where products or other deliverables are externally promoted or have a direct link to the enforceable undertaking Origin Energy LPG Limited will include the following statement:

This (insert product or service) has been (produced, held) pursuant to an enforceable undertaking between Origin Energy LPG Limited, ACN: 000 508 369 and SafeWork NSW entered into on (insert DATE EU commenced).

Any variation to the above statement requires prior written agreement between Origin Energy LPG Limited and SafeWork NSW.

k. A commitment to gain review and approval for industry and/or community safety information

Origin Energy LPG Limited commits that any strategies to be implemented by Origin Energy LPG Limited in compliance with this enforceable undertaking that involve safety information being provided to the industry and/or community will be subject to SafeWork NSW's review and approval of the content prior to dissemination.

l. Inconsistent Statements

Origin Energy LPG Limited commits that it will not make any statement or otherwise imply anything that is inconsistent with the statements, commitments or acknowledgements contained in this Undertaking and will take steps to ensure its representatives, employees and officers do not make any such statements.

m. Reliance on Commitments

Origin Energy LPG Limited acknowledges that SafeWork NSW may rely upon the commitments and statements set out in Section 4 (a), (b) and (c) above when making decisions regarding enforcement action if Origin Energy LPG Limited fails to comply with its work health and safety obligations in the future, including but not limited to any failure to comply with its obligations under this Undertaking.

n. Withdrawal or variation

Origin Energy LPG Limited may with the written agreement of SafeWork NSW withdraw or vary the undertaking in accordance with section 221 of the Work Health and Safety Act 2011.

o. Acknowledgement of Enforceable Undertakings Guidelines and Contravention of the Undertaking

Origin Energy LPG Limited has read and understood SafeWork NSW Enforceable Undertakings Guidelines.

Origin Energy LPG Limited acknowledges that if Origin Energy LPG Limited contravenes any of the terms of this Enforceable Undertaking, SafeWork NSW may apply to the District Court for an order in accordance with section 220 of the Work Health and Safety Act 2011.

Section 5 – Strategies

Origin Energy LPG Limited undertakes to deliver the following strategies.

Each strategy in the enforceable undertaking aims to provide lasting work health and safety benefits across the workplace, the industry, and the community, or a combination of these.

Strategies that relate to the dissemination of information in relation to the enforceable undertaking

Strategy 1 – Enforceable undertaking public notice

Summary:

Origin Energy LPG Limited will place a public notice advising of the enforceable undertaking with SafeWork NSW.

WHS outcome and beneficiaries:

The public notice serves to advise the general public about the enforceable undertaking and serves as a form of both education and deterrence for industry.

Strategy delivery and verification:

The strategy will be delivered and verified by SafeWork NSW in accordance with the table below.

How is it occurring	When will it happen	Position Title(s) or Area responsible and/or involved	Evidence that will be provided to SafeWork NSW
<p>Origin Energy LPG Limited will cause a public notice to be published in The Sydney Morning Herald broadsheet newspaper using the script provided in Annexure 1.</p> <p>The notice in The Sydney Morning Herald will be 1/8 of a page in size.</p> <p>The script for the notices must be approved by SafeWork NSW prior to the public notice being published. Failure to adhere to these conditions may result in SafeWork NSW requesting another public notice be published.</p>	<p>Within 30 days of the Commencement Date of the enforceable undertaking but not prior to SafeWork NSW publishing a copy of the enforceable undertaking on its website.</p>	<p>General Manager LPG</p>	<p>Within 7 days of placing the published notices Origin Energy LPG Limited will provide SafeWork NSW with the following evidence of placement.</p> <p>A copy of the full page of The Sydney Morning Herald showing the public notice and the name and date of the publication.</p>

Strategy 2 – Dissemination of information about the enforceable undertaking

Summary:

Origin Energy LPG Limited agrees to disseminate information about the enforceable undertaking with SafeWork NSW within its workplace including to its workers, the members of any health and safety committee, health and safety representatives and all subcontractors working for Origin Energy LPG Limited and to any other relevant parties.

WHS outcome and beneficiaries:

The dissemination of information about the enforceable undertaking is an important step in maintaining effective dialogue with the workforce about the enforceable undertaking and safety more broadly.

Strategy delivery and verification:

The strategy will be delivered and verified by SafeWork NSW in accordance with the table below.

How is it occurring	When will it happen	Position Title(s) or Area responsible and/or involved	Evidence that will be provided to SafeWork NSW
Origin Energy LPG Limited will complete toolbox talks with all front-line operators, service technicians and drivers across the LPG business.	Within 3 months of the Commencement Date.	Group Manager Operations & Field Services	Within 4 months of the Commencement Date Origin Energy Pty Limited will provide SafeWork NSW with a copy of attendance records from toolbox talks, and a copy of the content of the toolbox.
Origin Energy LPG Limited will provide a group learning presentation on its weekly LPG Safety Call - this call is attended by approximately 100 leaders and supervisors across the LPG business.	Within 3 months of the Commencement Date.	Group Manager Operations & Field Services	Within 4 months of the Commencement Date Origin Energy Pty Limited will provide SafeWork NSW with a recording of the HSE call, and attendance log of those on the HSE call.
Origin Energy LPG Limited will ensure that details of this enforceable undertaking are published in Origin Energy Limited (being the holding company of Origin Energy LPG Limited) first available annual or quarterly report published after the Commencement Date.	Either Origin Energy Limited's next annual or quarterly report published after the Commencement Date in August and October 2023 respectively.	General Manager LPG	Origin Energy LPG Pty Limited will provide SafeWork NSW with a copy of Origin Energy Limited's annual or quarterly report within 28 days of its publication

Strategies that will deliver benefits to the workplace, industry and the community

Strategy 3 – Psychosocial hazards/risks initiative

Summary:

Origin Energy LPG Limited in partnership with Gus Worland and Gotcha4Life will host a series of workplace and community events which will seek to prevent and reduce psychological risks in the workplace and community by creating awareness of the impacts psychosocial hazards may have on workers and members of the community and educating those on early preventative measures. The materials for these events will be developed having regard to the *Work Health and Safety Regulation 2011* (NSW) (**the Regulations**) and SafeWork NSW's approved Code of Practice for Managing Psychosocial Hazards at Work (**the Code**) and in such a way they are simple to understand, while not losing important messaging around control measures to minimise risks to psychosocial health and safety.

This initiative recognises the growing impacts mental health has within the workplace and the community. Origin Energy LPG Limited selected Gotcha4Life as a partner for this initiative because Gotcha4Life focuses on preventative strategies to poor mental health and aims to educate and develop workers' mental fitness. This is a fundamental shift in thinking and drives a different mindset as it is focused on early intervention and the power of prevention through connection.

WHS outcome and beneficiaries:

As a result of this strategy WHS benefits are expected in the:

- ✓ Workplace
- ✓ Industry
- ✓ Community

Workplace

This initiative is tied to a regulatory priority of SafeWork NSW for 2023 of advancing psychological safety and reducing the prevalence of psychological injury at workplaces, with a focus on mental health and wellbeing. Origin Energy LPG Limited will raise awareness of psychological risks in the workforce at NSW LPG Terminals (Minto, Newcastle, Shoalhaven) and will educate its workforce on preventative measures they can take in the workplace to ensure psychological risks are reduced as far as reasonably practicable. The People@Work survey was made available to all Origin Energy Limited staff from 17 April 2023 – 5 May 2023 and was completed by 28% of recipients. Origin Energy LPG Limited will develop and implement a LPG Risk Reduction Plan in response to feedback received from the People@Work survey to ensure psychological risks are reduced as far as reasonably practicable within its NSW LPG workplaces.

Industry

This initiative will promote industry awareness of the recent WHS regulatory changes in relation to the management of psychosocial risks and educate industry on how Origin Energy LPG Limited has and will continue to control psychosocial risks in the workplace so that others in the industry can benefit from those learnings.

Community

Origin Energy LPG Limited is aware of the mental health and suicide issues facing regional communities, as well as the lack of support available for people within those communities. This initiative seeks to prevent and reduce psychosocial risks in the workplace and community by creating awareness of the impacts psychosocial hazards may have on workers and members of the community and educating those on early preventative measures.

By providing training to volunteers in regional communities to enable them to act as peer supporters, regional communities will benefit from having people available who can provide strictly confidential, informal short-term assistance, which may include referring people to appropriate sources of help, resources, or other specialist services.

Strategy delivery and verification:

The strategy will be delivered and verified by SafeWork NSW in accordance with the below.

What is happening	How is it occurring	When will it happen	Position Title(s) or Area responsible and/or involved	Evidence that will be provided to SafeWork NSW
<p>Building awareness among Origin Energy LPG Limited workers about mental fitness and preventative measures.</p>	<p>Origin Energy LPG Limited will host three (3) workplace events at its Minto, Newcastle and Shoalhaven LPG terminals, presented in conjunction with Gotcha4Life, to educate workers about mental fitness and preventative measures in the workplace. One event in each location.</p> <p>Origin Energy LPG Limited will:</p> <ul style="list-style-type: none"> a) hold a toolbox discussion at each of the Minto, Newcastle and Shoalhaven LPG terminals to promote attendance by relevant terminal employees and contractors at the applicable workplace event; and b) on the day of the workplace event, reduce operations during the scheduled time of the applicable workplace event 	<p>Within 6 months of the Commencement Date.</p>	<p>General Manager, HSE – Corporate, ESP, Retail and Origin Zero.</p>	<p>Within 1 month of the last of the three (3) workplace events being held, Origin Energy LPG Limited will provide SafeWork NSW attendance forms and resources from workplace events.</p>

	to allow attendance from its employees and contractors.			
Building awareness within the community about mental fitness and preventative measures.	Origin Energy LPG Limited will host three (3) regional community events held at Parkes, Orange and Bathurst, presented in conjunction with Gotcha4Life, to educate community members about mental fitness and preventative measures. One event in each location.	Within 8 months of the Commencement Date.	General Manager, HSE – Corporate, ESP, Retail and Origin Zero.	Within 1 month of the last of the three (3) regional community events being held, Origin Energy LPG Limited will provide SafeWork NSW attendance forms and resources from the community events.
Developing a Gotcha4Life 'Community Champion' training program to support mental fitness within communities.	Origin Energy LPG Limited will work with Gotcha4Life to fund and develop a training program that can be delivered by Gotcha4Life facilitators either face-to-face or via online webinar or e-learning. The training program will be called 'Community Champion', aiming to upskill community volunteers to be mental health peer supporters in the community. The training program will be developed with regard to the Regulations and the Code.	The training program will be developed within 4 months of the Commencement Date and will be available to be delivered by Gotcha4Life thereafter.	General Manager, HSE – Corporate, ESP, Retail and Origin Zero.	Within 1 month of the development of the training package, Origin Energy LPG Limited will provide a copy of the training package to SafeWork NSW.
Facilitating the Gotcha4Life 'Community Champion' training program at community workshops.	Origin Energy LPG Limited will work with Gotcha4Life to host and deliver three (3) regional community training workshops held at Parkes, Orange and Bathurst. One workshop in each location. During these workshops the Community Champion training program referred to above will be delivered to attendees from the community.	The three (3) community training workshops will be held between 4 and 12 months from the Commencement Date.	General Manager, HSE – Corporate, ESP, Retail and Origin Zero.	Within 1 month of the last of the three (3) regional community training workshops being held, Origin Energy LPG Limited will provide SafeWork NSW with attendance forms and resources from the community training workshops.
Identifying, assessing, and controlling psychosocial hazards in Origin Energy LPG Limited NSW workplaces.	Origin Energy LPG Limited will host and deliver one (1) focus group session with each of its workforces at the Minto, Newcastle and Shoalhaven LPG terminals to identify and understand any psychosocial hazards present in Origin Energy LPG Limited's NSW workplaces.	The three workplace focus group sessions will be held between 1 and 3 months from	General Manager, HSE – Corporate, ESP, Retail and Origin Zero.	Within 1 month of the last of the three (3) workplace focus group sessions being held, Origin Energy LPG Limited will provide SafeWork NSW with attendance forms from the workplace focus groups.

	(Three (3) focus groups in total).	the Commencement Date.		Origin Energy LPG Limited will: a) provide a copy of the LPG Risk Reduction Plan; and b) written verification attaching any applicable evidence that the actions under the LPG Risk Reduction Plan have been implemented, to SafeWork NSW within 1 month of implementation of all actions.
Origin Energy LPG Limited will: (a) develop and implement an LPG Risk Reduction Plan in response to feedback received from the People@Work survey tool and the three (3) focus group sessions, to assess and control the psychosocial hazards identified so far as is reasonably practicable, with regard to the Regulations and the Code; and (b) prior to finalisation of the LPG Risk Reduction Plan, hold a toolbox discussion at each of the Minto, Newcastle and Shoalhaven LPG terminals and Origin Energy LPG Limited will consider employee feedback on the LPG Risk Reduction Plan prior to it being finalised.	The LPG Risk Reduction Plan will be developed between 1 and 5 months from the Commencement Date and implemented in 2024.			
Sharing the learnings from Origin Energy LPG Limited's journey in NSW, and demonstrating how Origin Energy LPG Limited is responding to the recent WHS regulatory changes associated with the management of psychosocial hazards. An invitation to a SafeWork NSW will be made to attend the presentation.	Origin Energy LPG Limited will develop and deliver an industry presentation to representatives from the Australian Institute of Health and Safety (AIHS) demonstrating how it is responding to the introduction of specific psychosocial clauses into the Regulations in New South Wales and with regard to the Code.	Within 14 months from the Commencement Date.	General Manager, HSE – Corporate, ESP, Retail and Origin Zero.	Within 1 month of the presentation to AIHS, Origin Energy LPG Limited will provide a copy of the presentation, accompanying resources to SafeWork NSW.
Origin Energy LPG Limited will produce an Origin branded video about its journey to managing and controlling psychosocial hazards and will: (a) publish the video on its intranet; (b) show the video during the AIHS industry presentation; (c) provide a copy of the video to SafeWork NSW for its own use and distribution; (d) provide a copy of the video to the AIHS for its own use and distribution; and				Within 1 month of the video being produced Origin Energy LPG Limited will provide a copy of the video to SafeWork NSW and evidence of provision of the video to the AIHS and GEA.

	(e) provide a copy of the video to GEA for its own use and distribution.		
	In accordance with section 4(j) of this undertaking, the Origin branded video will include a statement linking the production of the video with this undertaking.		

Cost:		\$ Amount (ex GST)
Description		
Delivery of mental fitness awareness events: <ul style="list-style-type: none"> • Three (3) NSW LPG workplace events at Minto, Newcastle, and Shoalhaven - Facilitator, travel and venue costs • Three (3) NSW regional community events at Parkes, Orange and Bathurst - Facilitator, travel and venue costs • Collateral / promotional material costs 		
Development of a training program that can be delivered by Gotcha4Life facilitators either face-to-face, online webinar or e-learn. <ul style="list-style-type: none"> • External Service Provider for development • Collateral / training material costs • Train the trainer program for Gotcha4Life approved trainers 		
Delivery of three (3) regional community training workshops held at Parkes, Orange and Bathurst. One workshop in each location. <ul style="list-style-type: none"> • Facilitator, travel and venue costs • Collateral / promotional material costs 		
Identifying, assessing and controlling psychosocial hazards in Origin LPG NSW workplaces. <ul style="list-style-type: none"> • One (1) focus group session with each of the Origin workforces at Minto, Newcastle and Shoalhaven LPG terminals. • Develop and implement LPG Risk Reduction Plan in response to feedback received from the People@Work survey tool and LPG focus groups. • Facilitator, travel and venue costs • Collateral / promotional material costs 		
Sharing the learnings from Origin Energy LPG Limited's journey in NSW. Demonstrating how Origin Energy LPG Limited has responded to the recent WHS regulatory changes associated with the management of psychosocial hazards. <ul style="list-style-type: none"> • Develop and deliver an industry presentation to representatives from the Australian Institute of Health and Safety. • Develop a video reflecting Origin Energy LPG Limited's journey to managing and controlling psychosocial hazards. 		
Internal resourcing (being 33% 1 x FTE Project Manager)		
Total estimated costs		220,000

Strategy 4 – Flood preparation initiative

Summary:

Origin Energy LPG Limited will develop, in consultation with GEA, a video and associated industry documentation and associated guidance material addressing key safety precautions that should be taken in relation to major flood and storm events, pertaining to safely working with or in the vicinity of gas cylinders, tanks, gas systems and gas appliances (**Gas Safety**).

There are real risks of injury and death associated with the use of LPG cylinders and associated gas systems that may have been affected by major weather events. This initiative will produce guidance materials in relation to Gas Safety to cover:

- preparedness prior to a predicted major flooding or storm event;
- what to do during a major flood or storm event; and
- what to do in the aftermath of a major flood or storm event.

Origin Energy LPG Limited does not believe that there is either a video or guideline which has been published that sets out in detail the steps that should be taken for Gas Safety prior to, during and following a major flood or storm event. Origin Energy LPG Limited considers that the existing material is relatively generic, difficult to locate, disbursed across a number of organisations, not specific to flood or storm preparedness and tailored to relevant LPG suppliers' procedures. This initiative will seek to address this information gap.

WHS outcome and beneficiaries:

As a result of this strategy WHS benefits are expected in the:

- ✓ Workplace
- ✓ Industry
- ✓ Community

Workplace

Key benefits of this initiative in the workplace will include bringing to life the magnitude of the risks faced as an organisation and community in relation to Gas Safety prior to, during and after a major flood or storm event, and creating a greater understanding within the workforce of what steps should be taken when a flood or storm event is imminent (both pre- and post- event). The material to be developed will be share material across the Origin Energy LPG Limited NSW workforce (approximately 120 employees), wider Origin LPG business (approximately 700 employees, inclusive of contractors) along with the whole of Origin Energy Limited (over 5000 employees) to ensure that our people in NSW and across the wider Origin Energy Limited business are well informed.

Industry

This initiative will provide consistent and accessible material that can be downloaded via the GEA website and/or shared via Facebook so it can be utilised by the Industry. GEA have undertaken to provide a pathway to distribute the GEA branded material produced by Origin Energy LPG Limited to provide greater access and awareness to improve gas safety and flood preparedness.

Community

Origin Energy LPG Limited believes that this initiative will greatly support the NSW community in being prepared for and responding to a future major flood and storm event(s). This initiative will provide consistent and accessible material that can be utilised by the community. Origin Energy LPG Limited will work directly with the Office of Local Government (NSW) in key flood affected areas being Lismore City Council, Hawkesbury City Council and the Ballina Shire Council.

Strategy delivery and verification:

The strategy will be delivered and verified by SafeWork NSW in accordance with the below table.

What is happening	How is it occurring	When will it happen	Position Title(s) or Area responsible and/or involved	Evidence that will be provided to SafeWork NSW
<p>Development of materials to promote greater awareness of what to do for Gas Safety in the event of a major flood or storm event.</p> <p>The materials will provide information about Gas Safety:</p> <ul style="list-style-type: none"> • preparedness prior to a predicted major flood or storm event; • what to do during a major flood or storm event; and • what to do in the aftermath of a major flood or storm damage event, in relation to safely working with or in the vicinity of gas cylinders, tanks, gas systems and gas appliances. 	<p>Origin Energy LPG Limited will produce (Flood Preparedness Material):</p> <ul style="list-style-type: none"> • two videos (one full length version and one shorter version), • a toolbox talk, and • a Q&As document <p>addressing what to do in the event of a major flood or storm event in relation to Gas Safety.</p> <p>The Flood Preparedness Materials will be produced and fully funded by Origin Energy LPG Limited, and GEA will be formally engaged by Origin Energy LPG Limited under a consultancy agreement contract to distribute the material to industry.</p> <p>Prior to the Flood Preparedness Materials being finalised for distribution, Origin Energy LPG Limited</p>	<p>Within 8 months of the Commencement Date.</p>	<p>Group Manager Operations & Field Services</p>	<p>Within one (1) month of the materials being produced, Origin Energy LPG Limited will provide a copy of the materials to SafeWork NSW.</p>

	will provide a copy of the final draft Flood Preparedness Materials to SafeWork NSW for review. Origin Energy LPG Limited will consider in good faith any comments provided by SafeWork NSW on the draft Flood Preparedness Material.			
Publication of video and associated guidance material providing greater awareness of what to do in relation to Gas Safety in the event of a flood or weather event.	Origin Energy LPG Limited will publish the Flood Preparedness Material on each of: <ul style="list-style-type: none"> its or its related bodies corporate external website; its or its related bodies corporate internal intranet; the GEA website; and the GEA Facebook page. 	The materials will be published within 8 months from the Commencement Date. Verification of publication will take place for 6 months following publication of the materials.	Group Manager Operations & Field Services	<ul style="list-style-type: none"> Within one (1) month of publication of the video and associated documents on the internal and external website, Origin Energy LPG Limited will provide the relevant links to SafeWork NSW. Within 7 months of the publication of the video and associated documents on the GEA website and Facebook page, Origin Energy LPG Limited will provide SafeWork NSW with independent verification from GEA on content access for a period of six months after the materials are published on GEA's webpage and Facebook page (including data about website visits, views, downloads, and Facebook shares). Origin Energy LPG Limited will provide SafeWork NSW with a copy of the Minutes of the GEA Incident Management Committee evidencing provision of material produced for use within that Committee, within one month of the relevant Committee meeting.
Provision of information to NSW Local Councils.	Origin Energy LPG Limited will provide the Flood Preparedness Material to: <ul style="list-style-type: none"> the Office of Local Government NSW to distribute or make available to Local Councils. each of Lismore City Council, Hawkesbury City Council and Ballina Shire Council. 	Within 8 months from the Commencement Date.	Group Manager Operations & Field Services	<ul style="list-style-type: none"> Within one (1) month of the provision of the Flood Preparedness Material to GEA, Origin Energy LPG Limited will provide SafeWork NSW with a letter of support from GEA that the GEA branded material produced by Origin Energy LPG Limited will be made available at no cost and distributed by GEA. Within one month of providing the video and written material to the Office of Local

	<ul style="list-style-type: none"> the NSW State Emergency Service. the NSW Rural Fire Service. 			Government NSW, Lismore City Council, Hawkesbury City Council, Ballina Shire Council, the NSW State Emergency Service and the NSW Rural Fire Service, Origin Energy LPG Limited will provide evidence of such provision to SafeWork NSW.
Material shared across the Origin workforce.	Origin Energy LPG Limited will publish the video on Origin's training system and amend relevant employees mandatory training to include a requirement to view the GEA branded video.	Origin Energy LPG Limited will require relevant employees to view the GEA branded video within 6 months of the video being uploaded into its training system.	Group Manager Operations & Field Services	<ul style="list-style-type: none"> Origin Energy LPG Limited will provide evidence of email distribution of material across Origin Energy Limited employees to SafeWork NSW within one month of the email distribution. Within one month of amendment of Origin Energy LPG Limited mandatory training requirements, Origin Energy LPG Limited will provide evidence of the amendment to SafeWork NSW. Within seven months of the amendment to Origin Energy LPG Limited's mandatory requirements, Origin Energy LPG Limited will provide a training compliance summary report to SafeWork NSW.

Cost:

Description	\$ Amount
Develop and distribute video and associated guidance material	██████████
Internal resourcing (being 33% 1 x FTE Project Manager)	██████████
Total estimated costs	90,000 – 115,000

Strategy 5 – Electrostatic discharge safety controls initiative

Summary:

Origin Energy LPG Limited will engage subject matter experts from AECOM Australia to consult with the GEA and the Centre for Static Electricity and Lightning Protection (CSELP), to develop and prepare updated industry guidance on electrostatic discharge hazards, risks and control measures to minimise the risk of ignition of LPG and/or LPG vapour, with particular emphasis on work tasks associated with refilling LPG cylinders (Developed Guidelines). The Developed Guidelines will be informed by a literature review of the relevant Australian and International guidance and standards on control measures to manage static electricity risks as a potential ignition source when working with LPG. In preparing the Developed Guidelines, AECOM Australia will consider whether any additional control measures to manage static electricity, such as an anti-static test station for operators, are recommended.

The Developed Guidelines will provide the Origin Energy LPG Limited workforce and Industry with consolidated and updated guidance on electrostatic discharge specific to LPG operations which would increase the understanding of, and control measures to manage, the risk across the LPG supply chain. Existing information on electrostatic discharge is currently published across a number of varied sources, has generally been prepared in respect of specific incidents and is up to 10 years old.

Origin LPG will use the Developed Guidelines to enhance its own current risk controls in relation to the ignition of LPG and/or LPG vapour and will distribute the Developed Guidelines to appropriate industry forums so that the information can be accessed by the wider industry.

WHS outcome and beneficiaries:

As a result of this strategy WHS benefits are expected in the:

- ✓ Workplace
- ✓ Industry

Workplace

The Developed Guidelines will be used to enhance Origin Energy LPG Limited’s own management of the risk of ignition of LPG and/or LPG vapour in its workplaces.

Industry

The Developed Guidelines will be shared across the LPG industry. This will have the benefit of increasing awareness of the risks within the industry and will stimulate a drive for a consistent application of the control measures to manage the risk of ignition of LPG and/or LPG vapour across the LPG supply chain.

Strategy delivery and verification:

The strategy will be delivered and verified by SafeWork NSW in accordance with the below table.

What is happening	How is it occurring	When will it happen	Position Title(s) or Area responsible and/or involved	Evidence that will be provided to SafeWork NSW

<p>Development of Developed Guidelines that address specifically the risk of ignition of LPG due to static electricity.</p>	<p>Origin Energy LPG Limited will engage subject matter experts from AECOM Australia (Consulting Engineers) to conduct a literature review of the relevant Australian and International guidance and standards and to produce Developed Guidelines on control measures to manage static electricity risks as potential ignition sources when working with LPG (including if an anti-static test station for operators is recommended). The work of AECOM will be supported and funded by Origin Energy LPG Limited.</p> <p>Prior to the Developed Guidelines being finalised for publication Origin Energy LPG Limited will provide a copy of the final draft Developed Guidelines to SafeWork NSW for review. Origin Energy LPG Limited will consider in good faith any comments provided by SafeWork NSW on the draft Developed Guidelines.</p>	<p>Within 9 months of the Commencement Date.</p>	<p>Group Manager Operational Integrity</p>	<p>Within one (1) month of the development of the Developed Guidelines, Origin Energy LPG Limited will provide a copy to SafeWork NSW.</p>
<p>Sharing of the Developed Guidelines and information arising from the incident across the LPG industry, to increase awareness of the risks and drive for a consistent application of the controls.</p>	<p>Origin Energy LPG Limited will, in conjunction with AECOM Australia, liaise with the nominated entities below to launch and present the Developed Guidelines:</p> <ul style="list-style-type: none"> Gas Energy Australia - publish the material developed as a GEA Members Advisory, being a platform to distribute technical information to all GEA members. SafeWork NSW - present the Developed Guidelines at the SafeWork NSW MHF Forum. During this presentation, Origin Energy LPG Limited will also give an overview of the Incident that occurred at Minto on 20 March 2020, the control measures that were present to manage static electricity risks and the lessons learned by Origin Energy LPG Limited. Engineers Australia - the production of and presentation of the Developed Guidelines will be submitted to Engineers Australia for inclusion in their Continuing Professional Development (CPD) platform. 	<p>Within 12 months of the Commencement Date.</p>	<p>Group Manager Operational Integrity</p>	<ul style="list-style-type: none"> Within one (1) month of the publication of the Developed Guidelines as a GEA Members Advisory, Origin Energy LPG Limited will provide evidence of publication to SafeWork NSW. Completion of SafeWork NSW MHF Forum presentation will be the required evidence. Within one (1) month of publication of the Developed Guidelines on the Engineers Australia continuing professional development platform, Origin Energy LPG Limited will provide evidence of publication to SafeWork NSW.

	<ul style="list-style-type: none"> Each of the above deliverables will be customised to suit the relevant audience and publication requirements. 	Within 12 months of the Commencement Date.	Group Manager Operational Integrity	<ul style="list-style-type: none"> Within one month submission of the draft informative Appendix and associated briefing materials to Standards Australia, Origin Energy LPG Limited will provide written evidence of submission to SafeWork NSW. In the event that Standards Australia elects not to include the Developed Guidelines in the Australian Standard, Origin Energy LPG Limited will approach relevant industry forums and seek to present the material at those forums, and provide evidence of these communications within one month of the approach being made.
<p>Strengthen awareness of risks and associated control measures to manage risk of LPG or LPG vapour ignition associated with electrostatic discharge across the industry, and to align Australian industry guidance and standards with SA TS 60079.32.1 (<i>Explosives Atmospheres, Part 32.1: Electrostatic Hazards Guidance</i>), published in 2022 by the International Electrotechnical Commission.</p>	<ul style="list-style-type: none"> Origin Energy LPG Limited will submit the Developed Guidelines, formatted appropriately, to Standards Australia, for its consideration as to whether to include the Developed Guidelines as an Appendix (informative), setting out risks associated with ignition of LPG and/or LPG vapour by electrostatic discharge, and control measures to manage that risk, in the next update of AS/NZS1596 The storage and handling of LP Gas. In the event that Standards Australia elects not to include the Developed Guidelines in the Australian Standard, Origin will seek to present the material at relevant industry forums, such as the Hazards Conference (ICHEME) and the ProSafe Conference (Marcusevans). 			

Cost:

Description	\$ Amount
Develop and deliver initiative on a fee for service basis	
Internal resourcing (being 33% 1 x FTE Project Manager)	
Total estimated costs	120,000 – 160,000

TOTAL ESTIMATED VALUE OF THE UNDERTAKING

\$430,000 – \$495,000

Section 6 – Execution of Undertaking

This document may be executed by or on behalf of the parties by affixing electronic signatures to this document. If executed by electronic method, an electronic copy of this document duly executed by both parties will be taken to be an original.

Executed on behalf of Origin Energy LPG Limited (ACN 000 508 369) in accordance with section 127(1) of the Corporations Act 2001

Name: Frank Calabria

Position: Director

Dated this 9th day of August, 2023

Signed: 

Executed on behalf of Origin Energy LPG Limited (ACN 000 508 369) in accordance with section 127(1) of the Corporations Act 2001

Name: Helen Hardy

Position: Company Secretary

Dated this 9th day of August, 2023

Signed: 

Section 7 – SafeWork NSW’s acceptance of undertaking

I accept this undertaking as an enforceable undertaking under section 216 of the WHS Act.

Signed: 

Name: Valerie Griswold

Position: Executive Director, Investigations and Enforcement.

Authorised delegate for SafeWork NSW, an agency within the Department of Customer Service.

Dated at Sydney this tenth day of August 2023

Annexure 1 – Public Notice of SafeWork NSW’s acceptance of undertaking

Notice of Acceptance of an Enforceable Undertaking under Part 11 of the Work Health and Safety Act 2011.

On 20 March 2020, an explosion and jet fire occurred while a worker was filling a 15 kg LPG cylinder using a cylinder filling carousel at Origin Energy LPG’s Limited Minto LPG cylinder filling, storage and distribution Terminal. The fire spread to other cylinders on the carousel and caused damage to the carousel, several cylinders and ancillary equipment. No workers or other persons suffered any injuries as a result of the incident.

SafeWork NSW investigated the incident and subsequently alleged that Origin Energy LPG Limited contravened sections 19(1) and 32 of the Work Health and Safety Act 2011.

SafeWork NSW has accepted an enforceable undertaking from Origin Energy LPG Limited, ACN: 000 508 369, in accordance with Part 11 of the Work Health and Safety Act 2011 in relation to the abovementioned alleged contravention. This notice has been placed under the terms of the enforceable undertaking and acknowledges acceptance of the enforceable undertaking by Origin Energy LPG Limited.

The undertaking requires Origin Energy LPG Limited to carry out the following actions:

- Hosting a series of workplace and community events which will seek to prevent and reduce psychosocial risks in the workplace and the community, promoting awareness of mental health and early preventative measures.
- Developing guidance materials for industry and community regarding safely working with or in the vicinity of gas cylinders, tanks, gas systems and gas appliances that may be affected by major flood or storm events.
- Engaging subject matter experts to develop updated industry guidance on hazards, risks and control measures in relation to electrostatic discharge as a potential ignition source for LPG or LPG vapour.

The full undertaking and general information about enforceable undertakings is available at safework.nsw.gov.au.