



Social Licence Report

**Australia's
oil and gas
industry**

JULY 2022



appea

About APPEA

The Australian Petroleum Production & Exploration Association (APPEA) is the peak national body representing Australia's oil and gas exploration and production industry. Its purpose is to be the effective voice of the oil and gas industry on the issues that matter, working collaboratively with industry, government, and the community to achieve shared goals.

APPEA has around 200 members, comprised of oil and gas explorers and producers active in Australia and companies providing goods and services to those explorers and producers. APPEA member companies produce around 95 per cent of Australia's oil and gas.

The oil and gas sector plays a fundamental role in our nation's economy, providing essential energy to power businesses and homes in Australia and across the world. Our sector invests billions of dollars to generate reliable, secure and cleaner energy, creating jobs and economic growth for the communities in which we operate.

APPEA is forward-looking and outcomes focused, aiming to raise awareness of the economic, environmental, and social benefits of the oil and gas industry across Australia.

Acknowledgement

The Australian Petroleum Production & Exploration Association (APPEA) acknowledges the Traditional Custodians of Country throughout Australia and their knowledge in caring for land, sea, and community. We pay our respect to their Elders; past, present, and emerging.

Contents

Industry overview	1
Community investment	2
Emissions reduction	6
Creating jobs and opportunities	10
First Nations investment	14
Supporting diversity	16
Environment, conservation and research	18

COVER PHOTO: 'PEOPLE' COURTESY PETER HALL, ARROW ENERGY

Industry overview

Building and maintaining a social licence to operate is a top priority for Australia's oil and gas industry.

Beyond creating tens of thousands of direct jobs, being part of a cleaner energy future and ensuring reliable supply, it is widely recognised the sector must significantly contribute to enhancing the lives of all Australians.

From investing to strengthen communities, creating employment and business opportunities, the industry is an active partner with Australians across all corners of the country.

Through this *Social Licence Report June 2022*, APPEA aims to demonstrate the work the industry is doing to secure the trust of the Australian community.



80,000

Australia's oil and gas industry supports 80,000 direct and indirect jobs.



Natural gas provides almost 24% of Australia's primary energy and almost one third of all gas consumed in Australia is used by manufacturers.



>5m

Over 5 million homes are connected to the gas network.

\$475 billion

Since 2009, the industry has invested more than \$475 billion in Australia and made more than \$75 billion in tax payments to state and federal governments to pay for our hospitals, schools, roads and services.

\$6.3 billion

In 2018 Australia recorded a \$6.3 billion surplus in the trade of oil and gas, with total exports exceeding \$40 billion and in 2019 Australia became the largest exporter of LNG in the world.

Energy for a better Australia

Community investment

PHOTO: PERTH INNER CITY YOUTH SERVICE. COURTESY WOODSIDE

APPEA members recognise the importance of delivering mutual and sustainable social outcomes in the communities in which they operate.

The oil and gas industry makes significant contributions to support building vibrant, prosperous and resilient communities.

These partnerships ensure all Australians benefit from the development of Australia's natural resources.

In addition to employment opportunities and community investment and infrastructure initiatives, the oil and gas industry supports positive outcomes in areas such as health and education, particularly in regional and remote communities.

CASE STUDY 1:

Woodside

Perth Inner City Youth Service

In 2021, Woodside employees volunteered 14,700 hours across 83 organisations. Woodside has a long history of committing to support disadvantaged children. One organisation supported in 2021 by Woodside was the Perth Inner City Youth Service (PICYS). PICYS seeks to help improve the quality of life of Perth's youth experiencing homelessness. Woodside employees spent time getting to know the young people at the centre and assisted in gardening at the organisation's office.

CASE STUDY 2:

Men's Shed

Creating meaningful moments for Men's Shed communities

To promote and support mental health and wellbeing, APPEA has partnered with the Australian Men's Shed Association for the Brighter campaign (see Case Study 9, on page 5) to host community events in regional areas. A suite of programs and initiatives will be delivered under the partnership, which includes equipping host Men's Sheds with a range of useful tools and equipment for 18 regional events in 2022.

CASE STUDY 3:

ExxonMobil Australia

Foodbank Victoria Farms to Families

Providing important fresh produce to those in need is one of the many ways ExxonMobil Australia gives back to communities. On any given day of volunteering at Foodbank Victoria, team members from ExxonMobil Australia work to collect, pack, and send off enough food to produce tens of thousands of meals for distribution to disadvantaged Victorians across the state. ExxonMobil Australia's financial and volunteer support to Foodbank has also helped run Farms to Families days, providing much-needed fresh produce and pantry staples to those struggling in Sale and the surrounding communities.



Community investment

PHOTO: KC RIDGE FARM CHINCHILLA, COURTESY SHELL

CASE STUDY 4:

Santos

Bushfire and COVID Assistance

Australia's regional communities have faced a challenging time combating the devastating impacts of floods, bushfires, and COVID-19. In response, Santos has swiftly responded to support these communities through proactively reaching out to local schools, organisations and businesses to understand their immediate needs and provide support. Throughout 2021, Santos donated over \$600,000 towards efforts to support people directly affected by bushfires, to aid efforts in saving injured koalas, and in providing crisis and trauma counselling. Additionally, throughout the COVID-19 crisis, Santos donated 3,600L of hand sanitiser and 13,500 toilet rolls and over \$175,000 to support 35 schools and nine local organisations across impacted communities.

CASE STUDY 5:

Origin Energy

Be an Origin Energy Diamond for a day

Origin believes that all good change starts with community. In May of 2021, Origin organised for former Australian Diamonds player Caitlyn Nevins to drop in and surprise young netball players in Chinchilla. Now in its second year, the Origin program surprises local communities going through challenging times. In this instance, the Chinchilla visit included a special training session run by Caitlyn, a video call with current Origin Diamond player Cara Koenen and a financial donation towards new equipment. Chinchilla Netball President, Kelly Statham, said: 'Helping to show our players that hard work, resilience and dedication pay off and dreams really can come true is so important.'

CASE STUDY 6:

Shell

Business Navigator Program

Shell's QGC business is a proud supporter of the Business Navigator Western Downs Program, delivered by Toowoomba and Surat Basin Enterprise. Communities in the Western Downs said supporting local businesses and building a strong, diversified economy was important, with the program providing local small and medium business with access to three coaches. The coaches support businesses to diversify and better commercialise their ideas—growing business revenue and local jobs. Despite the COVID-19 pandemic, the program has supported over 70 businesses, resulting in increased revenue and 18 new local jobs created over 2020–2021.

Business Navigator Western Downs have been working with Kevin and Cara Jackson (pictured), owners of KC Ridge Farm in Chinchilla, to increase and expand their distribution of premium quality eggs.

CASE STUDY 7:

Beach Energy

RFDS

Beach Energy is a proud supporter and long-standing partner of the Royal Flying Doctors Service and in 2021, Beach's funding reached \$1 million. The partnership helps to facilitate the flying intensive care unit VH-JDN, which flew over 470,000km and airlifted 870 patients from 90 different country hospitals and outback locations in 2020 alone.

CASE STUDY 8:

Jemena

Making a difference in communities

Making a difference in communities from innovative social enterprises to foodbanks, Refugee Week celebrations, youth support programs and more, Jemena has delivered over \$2 million in funding as part of its Corporate Social Responsibility (CSR) program since 2019. Jemena's CSR program works to address community need across five key social areas: sustainability, people in need, diversity and reconciliation, social inclusion, and local community issues and priorities. Since its inception the program has provided support to over 50 community organisations, and saw Jemena recognised as one of Australia's Top 40 Workplaces to Give Back in 2020 and 2021.

CASE STUDY 9:

Brighter

Brighter with Natural Gas

Brighter is part of the Australian gas industry's commitment to better informing and engaging the broader community. The campaign aims to build the industry's social licence by promoting the important role of gas in Australians' everyday life. Brighter highlights how the oil and gas industry supports jobs, regional communities and other crucial industries like manufacturing. The campaign also promotes the role of gas as an essential partner to emerging renewable technologies to ensure energy reliability and reduce emissions. Brighter reaches millions of Australians through earned media, digital platforms, engagement campaigns and advertising. It joins with stakeholders, industry partners and civic groups to reach communities and support local events—such as Rotary Australia Day BBQs, Royal Shows as well as other community events and awards—across the country.



PHOTO: LITTLE MIRACLES AT WATER COURTESY SHELL

Emissions reduction

The Australian oil and gas industry supports net zero by 2050 economy wide and has a key role to play in a cleaner energy future, both in Australia and globally.

APPEA members are doing their part by reducing emissions and pollution and investing in clean energy production. Large corporations are well placed to make a significant contribution to Australia's achievement of our net zero by 2050 target, and APPEA members have already made more than \$5 billion of investments in Australia's cleaner energy future.

Policies should achieve emissions reductions consistent with net zero emissions across the Australian economy by 2050 as part of a contribution to a goal of global net zero emissions by 2050.

The role of natural gas in reducing greenhouse gas emissions

Natural gas has an essential role to play in reducing emissions, as a cleaner and lower emissions fuel compared to coal.

Gas-fired generators can be rapidly started, making them the perfect complement to intermittent renewable energy that requires 'on call' electricity generation to manage falls in renewable output or peaks in demand. As more renewable energy is integrated into the grid, this balancing role becomes more critical.

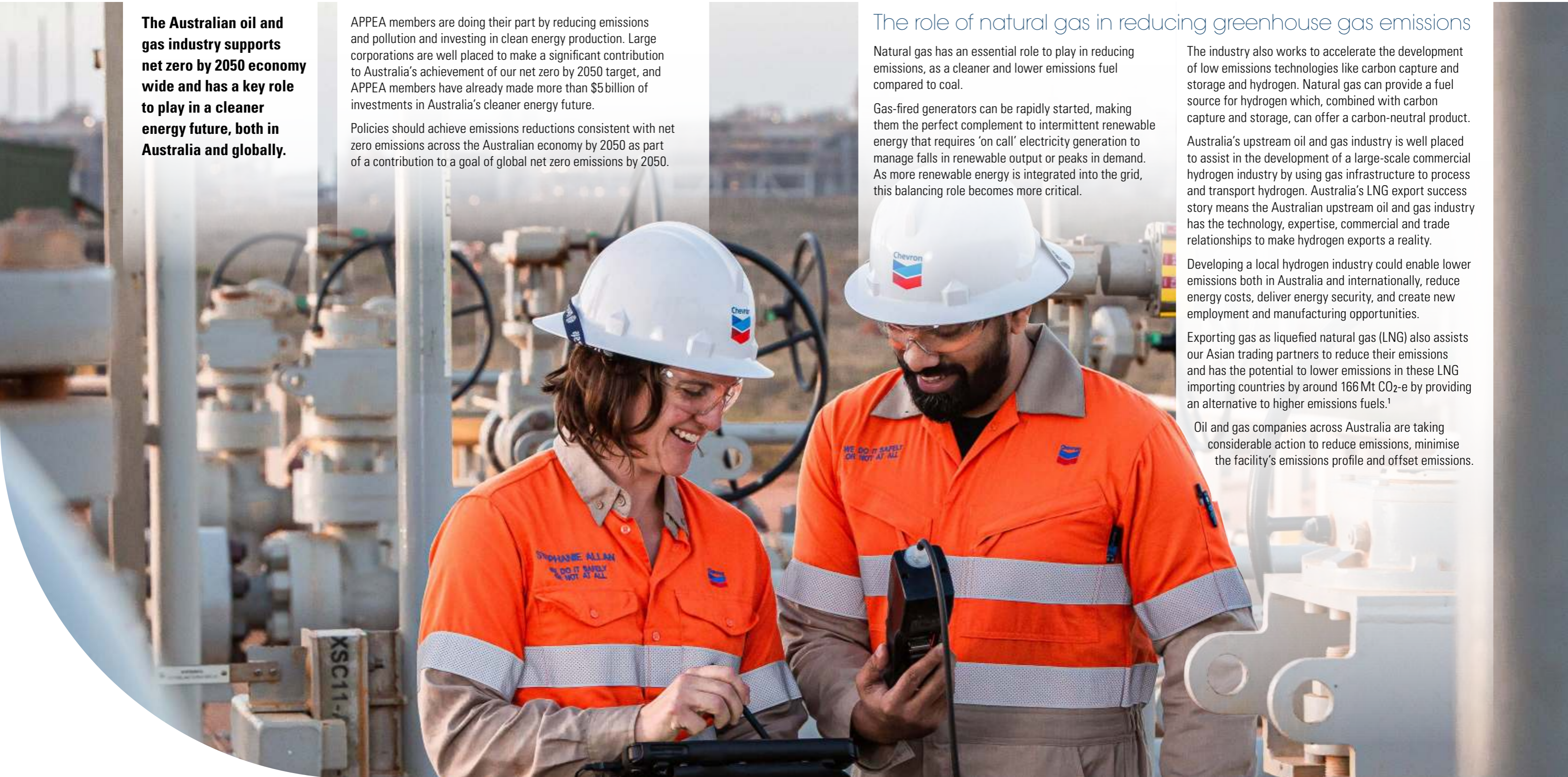
The industry also works to accelerate the development of low emissions technologies like carbon capture and storage and hydrogen. Natural gas can provide a fuel source for hydrogen which, combined with carbon capture and storage, can offer a carbon-neutral product.

Australia's upstream oil and gas industry is well placed to assist in the development of a large-scale commercial hydrogen industry by using gas infrastructure to process and transport hydrogen. Australia's LNG export success story means the Australian upstream oil and gas industry has the technology, expertise, commercial and trade relationships to make hydrogen exports a reality.

Developing a local hydrogen industry could enable lower emissions both in Australia and internationally, reduce energy costs, deliver energy security, and create new employment and manufacturing opportunities.

Exporting gas as liquefied natural gas (LNG) also assists our Asian trading partners to reduce their emissions and has the potential to lower emissions in these LNG importing countries by around 166 Mt CO₂-e by providing an alternative to higher emissions fuels.¹

Oil and gas companies across Australia are taking considerable action to reduce emissions, minimise the facility's emissions profile and offset emissions.



Emissions reduction

CASE STUDY 1:

Chevron Australia

Carbon capture and storage technology

Carbon capture and storage (CCS) technology permanently stores carbon in geological formations deep underground and continues to play a critical role in achieving the net zero goals of the Paris Agreement. The technology prevents millions of tonnes of greenhouse gases being vented into the atmosphere. CCS is being deployed at the Chevron-operated Gorgon natural gas facility, where it's expected to mitigate more than 100mt of CO₂ over 40-plus years of operation. According to the Intergovernmental Panel on Climate Change, it is impossible to achieve net zero emissions by 2050 without scaled deployment of technologies such as this.

CASE STUDY 2:

ConocoPhillips

Stormwater management

ConocoPhillips innovative water management system at their Australia Pacific LNG facility near Gladstone segregates clean and potentially contaminated water, ensuring the surrounding areas are protected. A performance review of the system showed its success with no noticeable adverse impacts being detected on the mangrove communities in the Gladstone Harbour near the facility.

CASE STUDY 3:

Shell

Achieving net zero

Shell's target is to become a net zero emissions energy business by 2050. This means Shell is reducing emissions from its operations, and from the fuels and other energy products it sells to customers. It also means capturing and storing any remaining emissions using technology or balancing them with offsets. In October 2021, Shell set a target to reduce absolute emissions by 50 per cent by 2030, compared to 2016 levels on a net basis. This covers all emissions in Scope 1, which come directly from its operations, and in Scope 2, from the energy it buys to run its operations, under operational control.

CASE STUDY 4:

Santos

Moomba CCS project

Centred around the Moomba Gas Plant, the Moomba CCS project is a commercial large-scale hub for the capture and geological storage of CO₂. The project will deliver material greenhouse gas emissions reduction at the Moomba facility of approximately 1.7 million tonnes per annum. The Moomba CCS project is a global leader on full lifecycle emissions reduction cost when benchmarked against other CCS projects. The projected cost per tonne of CO₂ is less than US\$24 per tonne.

CASE STUDY 5:

ExxonMobil Australia

Gippsland Carbon Capture Hub

ExxonMobil Australia is determining the potential for CCS to reduce greenhouse gas emissions from multiple industries in the Gippsland Basin. Early front-end engineering design studies are being undertaken at its South East Australia CCS hub, which would initially use existing infrastructure to store CO₂ in the depleted Bream field. The project is designed to capture up to 2MMt CO₂ per year, and if technical and business feasibility is confirmed, could be operational by 2025. The project is part of ExxonMobil's Low Carbon Solutions business, focused on commercialising lower-emission business opportunities in CCS, hydrogen and lower-emission fuels, by leveraging the company's skills, knowledge and scale.

CASE STUDY 6:

Woodside

Scarborough battery energy storage system

Woodside has included a battery energy storage system (BESS) in the design of its Scarborough floating production unit (offshore platform). This will allow operation with two power generator turbines online instead of three, because the third turbine is no longer required to operate as 'spinning reserve' (back up). This saves combustion of fuel gas and resulting greenhouse gas emissions. Estimated savings compared to operating additional turbine as spinning reserve: 9kt CO₂-e p.a.

The estimated GHG savings quoted in each example are estimated using engineering judgment by appropriately skilled and experienced Woodside engineers. Emissions quoted are total project share, not equity share.

PHOTO: MOOMBA GAS PLANT COURTESY SHELL

Creating jobs

Australia's oil and gas industry creates local jobs, delivers training opportunities, and engages local suppliers and small businesses to drive our nation's economy.

Every year the industry enables almost half a trillion dollars, or \$500 billion, in economic activity in Australia—more than the building construction, food retailing, road transport, agriculture or telecommunication services sectors.

This economic contribution supports more than 45,000 Australian businesses providing goods and services across the oil and gas supply chain.

Across the total supply chain, it is also estimated to deliver more than 160,000 jobs for Australian workers.

Oil and gas companies rely on Australian businesses to provide goods and services that support their operations across the supply chain, and almost half of these are small businesses. Beyond the direct jobs created by the oil and gas industry, it also helps to sustain manufacturing, construction, technology, transportation, accounting, legal and other industries across the economy.

The industry partners with universities, manufacturers, farmers, pastoralists, Traditional Owners and the fishing industry to diversify Australia's economy and create a brighter future.

Australia's oil and gas industry is committed to creating more local opportunities for Australians—particularly First Australians and regional communities—for decades to come.



and opportunities



80,000

Australia's oil and gas industry supports 80,000 direct and indirect jobs.



Since December 2012, there have been at least 120 gas supply agreements publicly announced, with other commercial agreements successfully negotiated to supply reliable gas to consumers, including local manufacturers.



Almost half of all local suppliers engaged by the oil and gas industry are small businesses.²



The oil and gas industry spends 66% of its expenditure on small businesses in construction services in regional and remote Australia.⁴



Small businesses in transport support services in regional and remote Australia make up 86% of the local oil and gas spend.³

Creating jobs and opportunities

CASE STUDY 1:



Cooper Energy

Local procurement

Cooper Energy has committed to supporting local Australian businesses and in the 2021 financial year spent \$61.3 million in Australian goods and services across 375 suppliers, engaging local suppliers stretching from Victoria to Perth. It has invested heavily in the Victorian Branch of the Royal Flying Doctor Service, resulting in much needed eye and dental care and telehealth services being delivered to East Gippsland, and patient transport services being provided in and around Warrnambool through its support of vehicle fit-out. Kids in local schools have also learned about the importance of health and the role of the RFDS in delivering health services.

CASE STUDY 2:

Origin Energy

Inspiring First Nations talent

Origin is working with CareerTrackers to invest in the next generation of Aboriginal and Torres Strait Islander leaders and helping to create an exciting pipeline of future science, technology, engineering and maths (STEM) professionals. Origin first partnered with CareerTrackers in 2014, and is a member of the 10x10 program, providing internships for at least 10 students each year for 10 years. The Origin Energy Foundation has supported the expansion of CareerTracker operations with a series of grants since 2015. Origin's internship program incorporates professional and leadership development, along with volunteering opportunities, to help create long-term partnerships where the interns are supported by their mentors for multiple years, throughout their degree and beyond where possible.

CASE STUDY 3:

Woodside

Warrgamugardi Yirdiyabura Program

Woodside has partnered with the Ngarluma Yindjibarndi Foundation to support the delivery of the Warrgamugardi Yirdiyabura Program. The program provides training and education opportunities for local people in Roebourne to gain accreditation in the area and provide a pathway to permanent employment. 2021 saw 51 participants take part in the program.

CASE STUDY 4:

Beach Energy

Supporting apprenticeships

Beach has joined as a participant in an industry-focused collaboration for youth apprenticeships, starting with a Western Australian collaboration partnering with Programmed. Beach's first placement had the opportunity to train with and experience working on site, as well as learning experiences that come with regional operations.

CASE STUDY 5:

Ventia

First Nations employment team

Ventia's dedicated First Nations employment team (TRECCA) was formed in 2016 and is tasked with achieving significant and sustainable growth in the number of First Nations men and women employed by Ventia, its related entities and subcontractors. Ventia develops key partnerships and drives necessary institutional and systemic change to achieve long-term recruitment and retention

goals to improve employment outcomes for First Nations people. Its TRECCA team supports contracts across Ventia engage with First Nations communities to improve their participation and employee retention. One such organisation is the Larrakia Development Corporation (LDC), who have been an integral partner on Ventia's TRACE project in the Northern Territory since it started operations four years ago.



PHOTO: FIRST NATIONS EMPLOYMENT PROGRAM COURTESY VENTIA

First Nations investment

An essential part of community engagement for Australia's oil and gas industry is local First Nations communities.

First Nations communities have a unique connection and knowledge of the local land and environment, and this connection is acknowledged and respected by the industry. APPEA members actively engage with First Australians to ensure that the benefits of the oil and gas industry are shared with traditional owners.

Investment in First Nations communities has a range of forms including education programs and employment opportunities.

CASE STUDY 1:

Schlumberger

The Schlumberger Australia Scholarship Program

The Schlumberger Australia Scholarship Program provides support to Aboriginal and Torres Strait Islander students enrolled in full-time study at Murdoch University. It provides financial assistance to those who aspire to work in engineering, business, law or environmental science and are currently in their second year of study or their honours year in engineering.

CASE STUDY 2:

INPEX

Larrakia elderly get a LIFT

The Larrakia Ichthys LNG Foundation Trust (LIFT) is a \$24 million trust established to deliver benefits for the Larrakia people across 40 years. Through this trust, a 12-seater bus was purchased to assist in delivering a range of elder-care services to the Larrakia community. The bus allows mobility for Larrakia elderly community members and also provides an employment opportunity for a Larrakia person as its driver. Under the LIFT, a range of programs are available providing education and training support for the Larrakia people and assisting the Larrakia Elders. INPEX's Stretch RAP for 2019–2022 has developed a series of practical actions and deliverables to help advance contributions to Aboriginal and Torres Strait Islander communities.

PHOTO: BUS PURCHASED THROUGH THE LARRAKIA ICHTHYS LNG FOUNDATION TRUST. COURTESY INPEX

CASE STUDY 3:

Senex Energy

Traditional owners

Encouraging qualified local Indigenous people and businesses to apply for opportunities is part of how Senex works collaboratively with Traditional Owners. Senex recently awarded a multi-year construction contract to certified Indigenous business Moec, based in Chinchilla, to install water and gas gathering systems associated with a drilling program. This provided local employment opportunities while upskilling members of the community.

CASE STUDY 4:

Santos

Aboriginal Power Cup

Established in 2008, the Santos Aboriginal Power Cup is the Port Adelaide Football Club's flagship community program to support and develop the potential of young Aboriginal people. The program hosts nearly 500 students from 70 schools across South Australia each year. Ninety-six per cent of Aboriginal students who complete the program go on to complete their SACE, by comparison, the average completion rate by Aboriginal students nationally is 61.5 per cent.

CASE STUDY 5:

ConocoPhillips

Encouraging education

ConocoPhillips aims to bring long-term benefits to First Nations communities through encouraging education. This includes the funding of a scholarship for a Queensland First Nations female student to study at an all-girls boarding school in Brisbane.

CASE STUDY 6:

Shell

Harnessing local talent

Shell's QGC business has partnered with Programmed and Harness Energy to deliver Indigenous Careers Programs targeting Traditional Owners of the lands on which Shell's QGC business operates. The Indigenous Careers Programs aim to improve employment and community outcomes through offering opportunities for local Traditional Owners to complete traineeships or apprenticeships within Shell's QGC business or their contractors. Traineeships and apprenticeships are available in a range of disciplines depending on the participant's interest. Programmed and Harness provide intensive case management support services for program participants in partnership with the Traditional Owner representative bodies to support recruitment and retention.



Supporting diversity

Diversity fosters better ideas, collaboration and decision making. Diverse workplaces create good energy as unique backgrounds, knowledge and experiences make us better together.

This is why the Australian oil and gas industry has noticeably and holistically taken steps to promote diversity from top to bottom. These measures have increased diversity, equity and inclusion across the industry.

CASE STUDY 1:

Origin Energy

Powering diverse workspaces

A focus on diversity and inclusion is one of the ways Origin is creating a great place to work. Origin seeks the different skills and ideas women bring, believing gender-equal workforces perform better and are more productive. This is one of the reasons why LinkedIn has recognised Origin as an Australian Top Company for gender equality. 'I'm proud to work for an organisation that genuinely cares about its people,' says Origin National Legal Operations Lead Katrina Gowans. Procurement Lead on Business Readiness Sunny Sun says: 'Origin accepts us for who we are. Our leaders appreciate our differences, and they give us the flexibility to be who we are.'

CASE STUDY 2:

Mitsui E&P Australia

STEM scholarships

Mitsui E&P Australia (MEPAU) supports students currently enrolled at Central Regional TAFE through annual scholarships, assisting students in STEM-related subjects by paying for course fees, books, other course resources and accommodation. The scholarships are provided to students engaged in full-time courses under the STEM subject umbrella of Science, Technology, Engineering and Mathematics. Preference is given to Aboriginal students based in the Shire of Irwin region, where most of MEPAU's activities are occurring. Each year the scholarship is awarded to about five students.

CASE STUDY 3:

Woodside

Advocates for difference abilities and personal traits

Woodside established the Advocates for Different Abilities and Personal Traits (ADAPT) network to raise the bar for the quality of support provided to employees with disabilities and neurodiversity.

CASE STUDY 4:

Chevron Australia

Celebrating Australia's diverse heroes

For 60 years, the Australian of the Year Awards have celebrated the achievements and contributions of Australia's finest. In 2021, Chevron Australia was proud to be the inaugural National Diversity and Inclusion Partner of the Australian of the Year Awards. 'The diversity of their thoughts, talents and experiences—together with their tremendous courage, selflessness and resilience—are why Chevron Australia is extremely proud to be the National Diversity and Inclusion partner of the Australian of the Year Awards,' Chevron Australia's then Managing Director AI Williams said.

CASE STUDY 5:

Clough

Increasing female participation

As part of its STEM@Clough program, Clough has partnered with Curtin University to support its Girls Engineering Tomorrow (GET) program. The partnership includes Clough sponsoring the 10-week program as well as a student and providing engineers as mentors and role models to the program participants. Participants in the program undertake a range of engineering themed workshops and activities, meet with female engineers, and learn about relevant courses and careers from Curtin's Future Student Advisors. The partnership assists in increasing female participation in STEM disciplines and promotes learning and pathways in the engineering and construction industry.



Environment, conservation and research

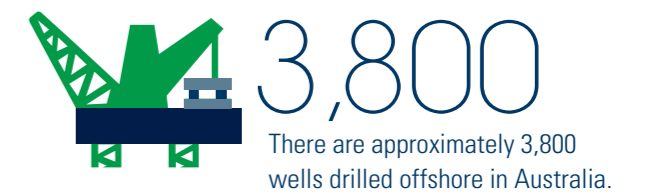
The Australian oil and gas industry contributes significantly to our collective scientific knowledge of the environment around us, which helps to deliver best-practice environmental stewardship of land and sea.

The oil and gas industry will be a part of the solution to the collective action posed by climate change.

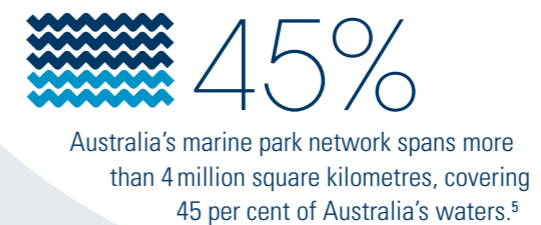
Oil and gas companies are committed to land and marine use co-existence, preserving biodiversity and protecting native wildlife.

Australia's industry contributes significantly to our collective scientific knowledge of the environment around us, which helps to deliver best-practice environmental stewardship of land and sea.

The overall aim of co-existence is simple: to be good neighbours to local fishers, pastoralists, farmers and other land and marine users. The industry is committed to working with all industries and communities to protect our unique environment and share its benefits.



The oil and gas industry has been operating offshore **Y56** in Australia for 56 years.



CASE STUDY 1:

Chevron Australia

Conservation Volunteers Australia

Growing global research is unlocking the potential of wetlands as natural carbon sequestration and storage systems. Chevron Australia is contributing \$3.45 million to Conservation Volunteers Australia to support the conservation of ten wetland locations across the country as a nature-based climate change solution. The partnership will see the wetlands receive critical restoration and contribute to innovative blue carbon research.

CASE STUDY 2:

ConocoPhillips

Protecting turtles

At ConocoPhillips Australia Pacific LNG facility on Curtis Island, a 10-year long-term turtle management plan minimises the potential impacts of development in the area. The program monitors, measures, and detects changes in the marine turtle populations.

CASE STUDY 3:

Shell

Ending waste at Shell

Shell has set goals for waste reduction, reuse, and recycling by the end of 2022. By 2030, Shell will increase the amount of recycled plastic in packing to 30 per cent, and will ensure that packaging used is either reusable, or recyclable. It is Shell's ambition to use one million tonnes of plastic waste a year in global chemicals plants by 2025.

CASE STUDY 4:

Baker Hughes

Driving innovation in bushfire management

The Bushfire Volunteers-Baker Hughes Innovation Development Program encourages and supports innovation in bushfire prevention and management in Australia. The joint program between Bushfire Volunteers Western Australia (WA) and Baker Hughes is aimed at developing and promoting new innovative techniques and ideas for bushfire management, in the prevention of, preparedness for, response to or recovery from bushfires. Baker Hughes and Bushfire Volunteers teams help shortlisted entries develop their ideas, with the winner receiving a \$10,000 prize.



- 1 Australia's emissions projections 2020, Australian Government Department of Industry, Science, Energy and Resources
- 2 <https://www2.deloitte.com/au/en/pages/economics/articles/role-small-businesses-Australias-oil-gas-industry.html>
- 3 *ibid.*
- 4 *ibid.*
- 5 UNEP-WCMC (2021). Protected Area Profile for Australia from the World Database of Protected Areas, May 2021. Available at: www.protectedplanet.net.



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