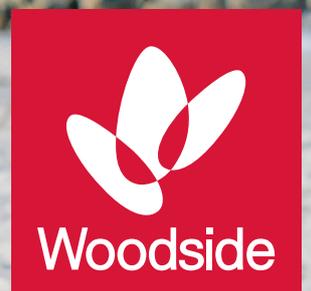


2019

**SUSTAINABLE
DEVELOPMENT
REPORT
HIGHLIGHTS**



2019 HIGHLIGHTS



STRONG SAFETY PERFORMANCE

0.90

**TOTAL RECORDABLE INJURY RATE
PER MILLION WORK HOURS**

3.1%

**ENERGY EFFICIENCY IMPROVEMENT
AGAINST BASELINE¹**

3.7%

**INDIGENOUS REPRESENTATION
IN OUR WORKFORCE**

31.8%

**FEMALE REPRESENTATION,
EXCEEDING INDUSTRY AVERAGE**

1. The energy efficiency improvement target against baseline performance (%) is measured relative to product energy efficiency prior to 2016. This aligns with Woodside's aim to improve energy efficiency by 5% by 2020. Refer to pages 26 and 27 for more information.

MATERIAL TOPICS

Woodside considers sustainability topics to be material if they reflect our significant economic, environmental and social impacts, or if they significantly influence the assessments and decisions of our stakeholders.

Each year, we conduct a materiality assessment to identify and understand the sustainability topics of significance to our key stakeholders and our business.

Of the topics identified in the 2019 materiality assessment, three were considered material: climate change and greenhouse gas emissions; health and safety performance; and social and cultural impacts on communities.

A summary of these topics is included below.

Health and safety performance

Woodside achieved a strong safety performance in 2019, evidenced by our lowest TRIR of 0.90, well below our target of 1.29, supporting our aim to continuously improve towards industry-leading H&S performance.

Our identification of high-potential hazards decreased by 30% and our high-potential incidents increased by more than 170%. To address this, we conducted a comprehensive review of our high-potential events from 2014 to 2019 and have developed plans to deal with key themes in 2020, including change management and preventing dropped objects.

Almost 12 months of work came to a successful conclusion in April 2019 when the Ngujima-Yin FPSO facility sailed out of Keppel Tuas shipyard in Singapore.

The Ngujima-Yin was refurbished without a recordable injury or illness and a strong safety culture embedded across the project team was key to this success.

During 2019, we had zero Tier 1 and zero Tier 2 loss of primary containment process safety events as measured against the industry standard of the American Petroleum Institute Recommended Practice 754 (API 754).

Social and cultural impacts on communities

Woodside continues to build and maintain relationships that allow us to have open conversations with the communities where we are active.

We held several community events in Broome, Karratha and Roebourne, including supplier forums, community information sessions and business functions. We completed more than 500 community engagements as part of our social impact assessments and in support of environmental impact assessments for the Browse and Scarborough developments, and the NWS Extension.

We continue our efforts to enhance local training and employment initiatives in the communities where we are active. Since its launch in June 2018, more than 1,500 people have registered on the Woodside-sponsored Karratha local jobs portal,

which has advertised over 500 jobs and training opportunities at Woodside-operated sites.

In 2019, we made positive progress against our 2016–2020 RAP by improving the conversion rate of Indigenous trainees to employees to more than 50%.

Climate change and greenhouse gas emissions

Woodside is committed to a lower-carbon world. We are committed to playing a role in the world's energy transformation, through limiting our own emissions and reducing global emissions by supplying cleaner energy to a world that needs it.

In 2019, we reduced our total equity and operated greenhouse gas emissions mainly as a result of the Ngujima-Yin FPSO facility being off-station, preparations for the Greater Enfield Project, an extended turnaround at the Pluto LNG Plant and the decommissioning of the Nganhurra FPSO. We also reduced our flaring by 14% with improved performance observed after maintenance turnarounds.

During the year, extended maintenance turnarounds impacted progress against our target of 5% energy efficiency improvement against baseline by 2020. These turnarounds will contribute to our target by improving plant performance, at the cost of short-term impacts. This was reflected in our energy efficiency improvements against baseline reducing to 3.1%, down from 3.4% in 2018. We remain committed to our 2020 target and will focus on maintaining high reliability of our facilities and continuing to implement efficiency improvement projects.

For more information see our Sustainable Development Report 2019.



SUSTAINABILITY TARGETS

We assign annual targets to our material sustainability topics to ensure we focus on what matters and strive to do better. These sustainability targets are reflected in our corporate scorecard, Executive Committee dashboard, and divisional and functional performance agreements.

MATERIAL TOPIC	2019 TARGET	2019 PERFORMANCE	2020 TARGET
Health and safety performance	Demonstrate continuous improvement on 2018 to deliver leading health and safety performance	0.90 total recordable injuries per million work hours (TRIR)	TRIR at or below 1.10, which is below our three-year rolling average One or fewer Tier 1 or Tier 2 loss of primary containment process safety events
Social and cultural impacts on communities	Social impact management plans for communities where we are active Positive progress against our 2016–2020 Reconciliation Action Plan	Social impact management plans were developed for all communities where we are active Increased conversion of Indigenous trainees to employees to over 50%	Effectively implement social impact and opportunity management plans for communities where we are active Deliver the 2016–2020 Reconciliation Action Plan
Climate change and greenhouse gas emissions	Achieve 4% energy efficiency improvement against baseline ¹	Achieved 3.1% energy efficiency improvement against baseline¹	Achieve 5% energy efficiency improvement against baseline ¹
Fraud, anti-bribery and corruption	Zero material violations of anti-bribery and corruption laws within or in connection with Woodside	Zero violations of anti-bribery and corruption laws within or in connection with Woodside	Topic remains significant and we maintain an internal target of zero violations

¹ The energy efficiency improvement target against baseline performance (%) is measured relative to product energy efficiency prior to 2016. This aligns with Woodside's aim to improve energy efficiency by 5% by 2020. Refer to pages 26 and 27 for more information.

UN SUSTAINABLE DEVELOPMENT GOALS

The 17 United Nations Sustainable Development Goals (SDGs) represent a 15-year initiative that commenced in 2016 to stimulate action in areas of critical importance for humanity and the planet. The deliverables associated with the five SDGs that best align with our business were progressed in 2019, with notable achievements outlined below. We also conducted a review, which will be completed in 2020, to determine whether these five SDGs represent where we can make the biggest contribution.

<p>SDG</p> <p>7 AFFORDABLE AND CLEAN ENERGY</p> 	<p>ASPIRATIONS</p> <p>We will continue to supply LNG to displace coal and support intermittent renewables. We will also support the creation of LNG markets for transport and remote power, and investigate lower-carbon energy sources.</p> <table border="1"> <thead> <tr> <th data-bbox="309 622 865 654">Deliverables</th> <th data-bbox="890 622 1449 654">Progress</th> </tr> </thead> <tbody> <tr> <td data-bbox="309 663 865 694">Commence deliveries of trucked LNG from Pluto in 2019</td> <td data-bbox="890 663 1449 694">Deliveries of LNG commenced in 2019</td> </tr> <tr> <td data-bbox="309 703 865 775">For direct emissions, improve energy efficiency by 5% against baseline by 2020</td> <td data-bbox="890 703 1449 775">Improved energy efficiency by 3.1% against baseline by 2019</td> </tr> <tr> <td data-bbox="309 784 865 815">Eliminate routine flaring from our oil facilities by 2030</td> <td data-bbox="890 784 1449 815">Reduced flaring by 14% in 2019</td> </tr> </tbody> </table>	Deliverables	Progress	Commence deliveries of trucked LNG from Pluto in 2019	Deliveries of LNG commenced in 2019	For direct emissions, improve energy efficiency by 5% against baseline by 2020	Improved energy efficiency by 3.1% against baseline by 2019	Eliminate routine flaring from our oil facilities by 2030	Reduced flaring by 14% in 2019
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<p>SDG</p> <p>9 INDUSTRY, INNOVATION AND INFRASTRUCTURE</p> 	<p>ASPIRATIONS</p> <p>We will continue to improve productivity and energy efficiency by embracing technology and innovation, and incorporating renewables at our assets.</p> <table border="1"> <thead> <tr> <th data-bbox="309 972 865 1003">Deliverables</th> <th data-bbox="890 972 1449 1003">Progress</th> </tr> </thead> <tbody> <tr> <td data-bbox="309 1012 865 1106">Improve our operations through adoption of more efficient technologies, and improvements in industrial processes, to meet our energy efficiency target</td> <td data-bbox="890 1012 1449 1106">Goodwyn-A offshore platform battery installed, in a world-first application, to reduce use of fuel gas on the facility</td> </tr> </tbody> </table>	Deliverables	Progress	Improve our operations through adoption of more efficient technologies, and improvements in industrial processes, to meet our energy efficiency target	Goodwyn-A offshore platform battery installed, in a world-first application, to reduce use of fuel gas on the facility				
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<p>SDG</p> <p>13 CLIMATE ACTION</p> 	<p>ASPIRATIONS</p> <p>We collaborate with partners, peers and other stakeholders for a competitive, lower-carbon economy and support initiatives that improve climate change resilience.</p> <table border="1"> <thead> <tr> <th data-bbox="309 1263 865 1294">Deliverables</th> <th data-bbox="890 1263 1449 1294">Progress</th> </tr> </thead> <tbody> <tr> <td data-bbox="309 1303 865 1397">Continue to partner with academia and industry to find new technology that unlocks affordable new energy and profitable carbon abatement</td> <td data-bbox="890 1303 1449 1397">Established a partnership with Monash University in 2019 to progress energy solutions for a lower-carbon future in Australia</td> </tr> <tr> <td></td> <td data-bbox="890 1406 1449 1500">Extended a memorandum of understanding with Korea Gas Corporation to conduct a feasibility study on a green hydrogen export project</td> </tr> </tbody> </table>	Deliverables	Progress	Continue to partner with academia and industry to find new technology that unlocks affordable new energy and profitable carbon abatement	Established a partnership with Monash University in 2019 to progress energy solutions for a lower-carbon future in Australia		Extended a memorandum of understanding with Korea Gas Corporation to conduct a feasibility study on a green hydrogen export project		
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<p>SDG</p> <p>14 LIFE BELOW WATER</p> 	<p>ASPIRATIONS</p> <p>We uphold robust environmental management and process safety practices to minimise our impact on marine environments, and partner with research institutions to contribute to knowledge of these areas.</p> <table border="1"> <thead> <tr> <th data-bbox="309 1653 820 1684">Deliverables</th> <th data-bbox="845 1653 1449 1684">Progress</th> </tr> </thead> <tbody> <tr> <td data-bbox="309 1693 820 1787">Maintain partnerships with research institutions to contribute to knowledge of marine environments in areas where we are active</td> <td data-bbox="845 1693 1449 1814">We continue to partner with the Australian Institute of Marine Science and the Western Australian Museum to support research and progress knowledge that informs approvals and impact assessments</td> </tr> </tbody> </table>	Deliverables	Progress	Maintain partnerships with research institutions to contribute to knowledge of marine environments in areas where we are active	We continue to partner with the Australian Institute of Marine Science and the Western Australian Museum to support research and progress knowledge that informs approvals and impact assessments				
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<p>SDG</p> <p>17 PARTNERSHIPS FOR THE GOALS</p> 	<p>ASPIRATIONS</p> <p>We work together, combining our distinctive capabilities to deliver the best possible result. We aim to be the partner of choice wherever in the world we operate.</p> <table border="1"> <thead> <tr> <th data-bbox="309 1975 820 2007">Deliverables</th> <th data-bbox="845 1975 1449 2007">Progress</th> </tr> </thead> <tbody> <tr> <td data-bbox="309 2011 820 2096">Continue to partner with peers, governments, academia and civil society groups to advance progress towards the goals</td> <td data-bbox="845 2011 1449 2096">Our FutureLab program drives partnerships that foster collaborative innovation across oil and gas technologies, carbon management and facility efficiency in support of the goals</td> </tr> </tbody> </table>	Deliverables	Progress	Continue to partner with peers, governments, academia and civil society groups to advance progress towards the goals	Our FutureLab program drives partnerships that foster collaborative innovation across oil and gas technologies, carbon management and facility efficiency in support of the goals				
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ABOUT US

Woodside led the development of the liquefied natural gas (LNG) industry in Australia and is applying this same pioneering spirit to solving future energy challenges.

We have a focused portfolio and are recognised for our world-class capabilities as an integrated upstream supplier of energy.

In Western Australia, we are creating an integrated LNG production hub on the Burrup Peninsula. Building on more than 30 years of operations, we are progressing development of the Burrup Hub to bring the offshore Scarborough and Browse gas resources through our existing assets, the Woodside-operated Pluto LNG and North West Shelf (NWS) Project. We also operate two floating production storage and offloading (FPSO) facilities, the Okha FPSO and Ngujima-Yin FPSO.

Internationally, we are progressing the Sangomar Field Development in Senegal and the A-6 Development in Myanmar. And we have equity interests in Canada (Kitimat) and Timor-Leste / Australia (Sunrise).

Technology and innovation are essential to our long-term sustainability. We are working to improve our energy efficiency, offset our emissions and explore options for lower-carbon energy. We support the use of LNG as a lower-emissions and

economically viable fuel. Today, we are pioneering remote support and the application of artificial intelligence, embedding advanced analytics across our operations while recognising digital security issues.

Woodside demonstrates strong safety and environmental performance in all its operations. We are committed to upholding our values of integrity, respect, discipline, excellence, working sustainably and working together. Our success is driven by our people, and we aim to attract, develop and retain a diverse, high-performing workforce.

We recognise that enduring, meaningful relationships with communities are fundamental to maintaining our licence to operate. We actively seek to build relationships with stakeholders who are interested in and affected by our activities. We help create stronger communities through programs that improve knowledge, build resilience and create shared opportunities.

Our proven track record and distinctive capabilities are underpinned by 65 years of experience, making us a partner of choice.

Focus areas



Product type

- Gas (red circle)
- Oil (green circle)
- Gas or oil (blue circle)

Phase

- Producing assets (factory icon)
- Developments (key icon)
- Appraisal and exploration (gears icon)

*Denotes marketing office

