

SUPPORTING CONTINUOUS IMPROVEMENT IN ESG OUTCOMES FOR WESTERN AUSTRALIA



NOVEMBER 2021

OVERVIEW FROM THE PREMIER AND TREASURER OF WESTERN AUSTRALIA

The WA Government is committed to Western Australia achieving the Paris Agreement objective of net zero emissions by 2050. We also recognise the importance of contributing to Australia's pursuit of the objectives of the United Nations Sustainable Development Goals (SDGs).¹

Improving social outcomes for Western Australians and environmental outcomes for the State is an ongoing primary objective of the WA Government.

We continue to deliver on these outcomes by partnering with industry and all facets of society – drawing on our robust governance foundation of effective, transparent, coordinated public institutions and strong financial management.

This information pack has been prepared primarily to inform investors in WA Government debt securities of key policy commitments, partnerships with industry and the community, and actions currently in progress that are addressing the key environmental and social challenges facing Western Australia today and into the future.

From an environmental perspective, it demonstrates how Western Australia is well placed, through a combination of our economic strength, government leadership and comparative advantage in natural

resources to accelerate our progress towards lowering carbon emissions.

It also highlights how we are tackling other important environmental issues such as waste recycling and pollution control, whilst continuing to lead by example in areas such as water management and biodiversity conservation to address the threat of climate change, help industry flourish and create sustainable jobs.

From a social perspective, we continue to build on our strong foundations in health and education, while ensuring those requiring assistance are best supported to reach their potential.

Together with a focus on providing increased opportunities for Aboriginal people, greater recognition of cultural heritage, and striving to ensure gender equality, this information pack outlines how the WA Government is committed to facilitating a culture where the great lifestyle and high standard of living this vast State offers can be enjoyed by all Western Australians.



Mark McGowan

Honourable Mark McGowan MLA

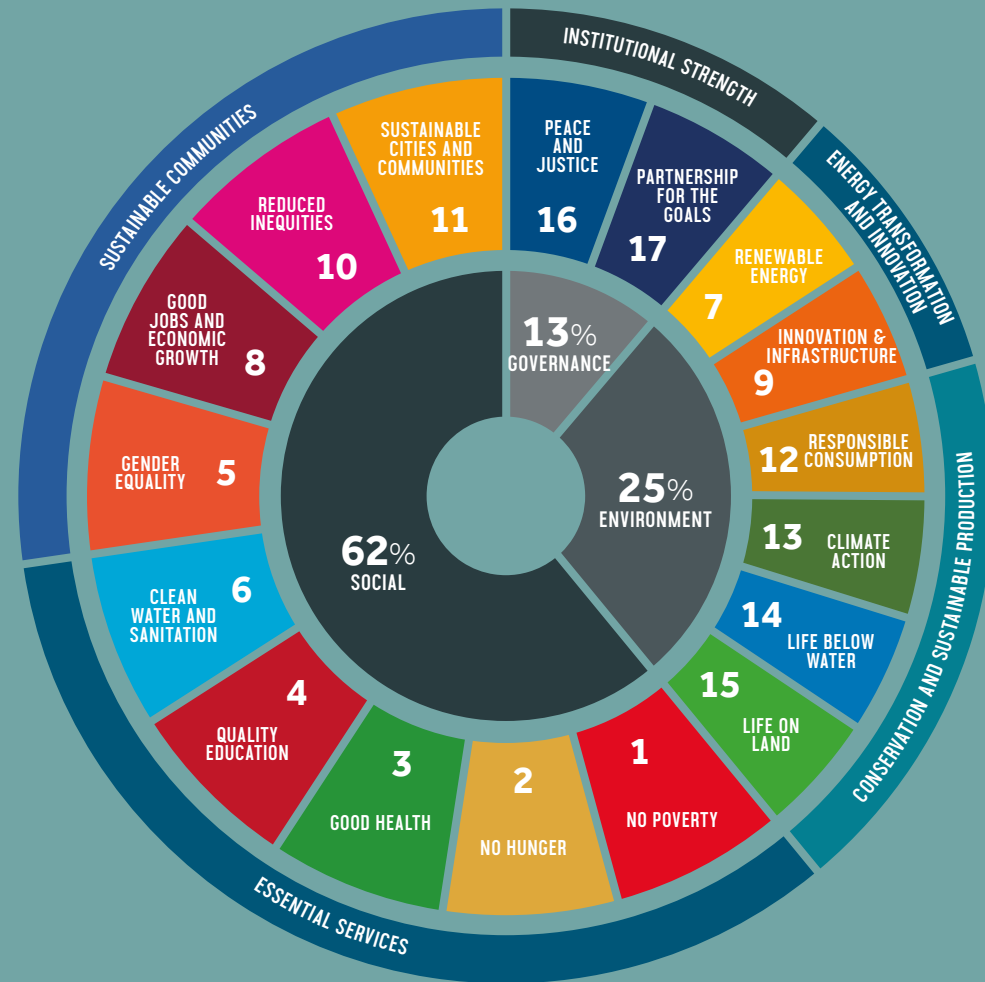
Premier; Treasurer; Minister for Public Sector Management; Federal-State Relations

¹ Australia is one of the 193 countries in September 2015 that endorsed the 2030 Agenda for Sustainable Development and the Sustainable Development Goals.

WA STATE BUDGET – FACILITATING CONTINUOUS IMPROVEMENT IN ESG OUTCOMES

The 2021-22 State Budget delivered on 9 September 2021 is a key enabler for delivering on many of the WA Government's Environmental, Social and Governance (ESG) objectives as outlined in this information pack. Expenditure planned through the State Budget contributes to advancing a broad range of ESG ambitions that relate to objectives within each of the 17 SDGs. This is illustrated in the 2021-22 State Budget where expenditure is indicatively aligned to the SDGs being progressed.

The final component of this information pack also presents a selection of current WA Government *Initiatives in progress*, represented within the SDG the initiative is primarily progressing. This is illustrative of the breadth of progress already being made for improving ESG outcomes for Western Australia.



Cover picture: Native black swans on Swan River overlooking the City of Perth.
Photo credit: Tom Proudfoot

Source: WA State Budget 2021-22

Acknowledgement of Country

The Government of Western Australia acknowledges the traditional custodians throughout Western Australia and their continuing connection to the land, waters and community. We pay our respects to all members of Western Australia's Aboriginal communities and their cultures; and to Elders both past and present.

A Note About Language

In this document, the term Aboriginal people is used in preference to "Indigenous" or "Aboriginal and Torres Strait Islander" people, in recognition that Aboriginal peoples are the original inhabitants of Western Australia.

Cultural Warning

Aboriginal people should be aware that this document may contain images of deceased persons.

Accessibility

This document is available in alternative formats on request by emailing esg@wac.wa.gov.au

Little Beach, Albany: photo courtesy of Tourism Western Australia

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GOVERNANCE



Elizabeth Quay, Perth: photo courtesy of Tourism Western Australia

INSTITUTIONAL STRENGTH



Western Australia is one of six States in the Federation of Australia, with roles and responsibilities between the sovereign and sub-sovereign's governed by the Australian Constitution. This rule of law supports strong, stable government at all levels. This creates a fair and effective governance environment that is the foundation for economic growth and a free, prosperous society. It generates confidence that government policies and initiatives are embedded in the principles of equality and equity, and designed to deliver strong economic, social and environment outcomes.

The strength of this governance foundation at the sovereign level is reflected by Australia being ranked 7th globally based on the World Bank's Worldwide Governance Indicators.² The connection to Western Australia's governance framework is acknowledged by rating agencies, illustrated by the following extract from Standard and Poor's credit assessment in October 2020:

“

SUPPORTING WESTERN AUSTRALIA'S STRONG MANAGEMENT IS THE INSTITUTIONAL FRAMEWORK WITHIN WHICH ALL AUSTRALIAN STATES AND TERRITORIES OPERATE. WE CONSIDER THIS FRAMEWORK TO BE ONE OF THE STRONGEST AND MOST PREDICTABLE FOR SUB-SOVEREIGN GOVERNMENTS GLOBALLY. IT PROMOTES A ROBUST MANAGEMENT CULTURE AND HIGH LEVELS OF FINANCIAL DISCLOSURE AND TRANSPARENCY. ” - Standard and Poor



The key pillars for good governance – rule of law, transparency, responsibility and accountability – are amplified by a strong financial framework, robust parliamentary and electoral system and underpinned by freedom of information. This combination provides confidence to investors and partners to WA that the government is able to, and will be accountable for, delivering on its environmental and social commitments.

FREEDOM OF INFORMATION

A culture of strong governance and accountability is reinforced through supporting legislation to ensure the Western Australian system of government is held accountable to the public, such as *The Freedom of Information (FOI) Act 1992 (WA)*.

This enables a general right of access for the public to obtain government documents and ensure personal information held is up to date and not misleading.

Over 20,000 requests under the FOI Act were made in 2020-21, with operations under the Act transparently reported through the Office of the [Information Commissioner](#).



² Austrade (2021). "Strong Foundations: Worldwide Governance Indicators, 2020".

FINANCIAL STRENGTH AND EFFECTIVE BUDGET MANAGEMENT



The WA Government employs a rigorous budget management framework, underpinned by annual budgets including medium term financial forecasts supported by a comprehensive Mid-year Review and audited final outcomes within three months of period-end. The effectiveness of this fiscal discipline and strong track record of adherence to targets is underpinned by a legislated financial management framework, and is regularly referenced as a positive contributor in rating agency assessments.

GUARANTEED REVENUE STABILITY SUPPORTS A STRONG STABLE FUTURE

The WA Government has a long history of collaborating with the resources sector to ensure Western Australia remains an attractive, secure place for the significant private financial investment required to capitalise on the State's unique comparative advantage in natural resources. This is reflected by Western Australia's Gross State Product (GSP) per capita being more than 50% higher than Australia's Gross Domestic Product (GDP) per capita in 2019-20,³ and mining royalties comprising over one quarter of WA Government revenue, the vast majority of which comes from iron ore. Acknowledging that royalty income is

dependent on market pricing that can be subject to significant volatility, in 2018 the Australian Government modified the horizontal fiscal equalisation arrangements that distributes Goods and Services Tax (GST) revenue to the States and Territories. This now ensures Western Australia does not receive less than 70% of its share of the national GST pool when benchmarked against population share. This effectively provides a floor to an important revenue source to protect against royalty revenue volatility, whilst still redistributing significant amounts of WA Government royalty income to other Australian States and Territories.

As such, the WA Government is in a strong and stable financial position to take maximum advantage of periods of strength in commodity prices. This reinforces an ability to provide committed ongoing support to the broad range of initiatives on renewable and low carbon industries outlined in this information pack – which will also leverage off Western Australia's unique comparative advantage in renewable resources. Equally, it provides the resources to pursue key social equity objectives, such as native title settlements that can significantly advance the economic prosperity of Aboriginal communities.

STRONG DEBT MANAGEMENT AND FUTURE ROLE FOR SUSTAINABLE DEBT FINANCE

The Western Australian Treasury Corporation (WATC) manages the WA Government's issuance of Bonds and the State's liquidity position to support its debt market operations. Given the broad use of the funds that WATC raises on behalf

of the WA Government, WATC has identified the opportunity to support the achievement of ESG outcomes through new financing and reporting mechanisms. WATC intends to develop a Sustainability Bond Framework to facilitate the

issuance of Green, Social or Sustainability bonds to finance direct government expenditure on eligible assets to support the WA Government's ongoing commitment to continuous improvement of the State's ESG outcomes.

³ Australian Bureau of Statistics (2019-20). "Australian National Accounts".

EFFICIENT AND COORDINATED INSTITUTIONS



The WA Government has an efficient structure which provides an appropriate balance between ensuring good governance and regulatory control to support effective and appropriate engagement with industry partners, and engenders public trust in the effective implementation of environment, social and economic policy and associated provision of public services.



Eighty Mile Beach Ngarla and Nyangumarta Rangers: photo courtesy of Department of Biodiversity, Conservation and Attractions



INDEPENDENT ENVIRONMENTAL IMPACT ASSESSMENT

The [Environmental Protection Authority \(EPA\)](#) is an independent WA Government statutory authority that is not subject to ministerial direction, established to provide advice on environmental matters to the government on the public record. This includes conducting environment impact assessments on all significant projects whether being undertaken by the public or private sector, with a focus on rigor and transparency. The EPA also prepares recommendations on environment policy and guidelines for managing environmental impacts.



EFFECTIVE PARTNERSHIPS WITH INDUSTRY

The WA Government has a long history of effective partnership with both business and the not-for-profit sector. Whilst this has helped drive the success of the resources sector, there are many examples of reciprocal social benefit, such as the recent [joint funding](#) of a regional hospital refurbishment. Aligning interests with the not-for-profit sector is illustrated through the role [community housing](#) organisations play assisting in social housing service delivery – providing more than 20% of available supply or approximately 10,000 dwellings.



CLIMATE ACTION COORDINATION

The WA Government has established a Ministerial Taskforce on Climate Action to oversee implementation of initiatives within the [Western Australian Climate Policy](#) and [Electric Vehicle Strategy](#). The Taskforce is also responsible for identification of future resource requirements for climate change, including opportunities for private sector finance.



COORDINATING ABORIGINAL ENGAGEMENT

Initiatives to improve outcomes for Aboriginal people are far reaching and delivered across a number of WA Government agencies. In order for these programs to be successful effective central leadership and coordination across government is paramount, and this is provided through the [Aboriginal Engagement Directorate](#).



CYBER SECURITY 🔍

The WA Government recognises that the ongoing threat of cyber security requires whole of government coordination to ensure implementation of best practice in protection of the WA Government's information, assets and service delivery. This is provided through the Office of Digital Government's Cyber Security Unit.

WHOLE OF GOVERNMENT CLIMATE RISK FRAMEWORK

The WA Government is in the process of developing a risk framework to monitor, assess and report on implications of climate change on the State's finances, infrastructure, physical assets and service delivery. The framework will include guidance and training resources and will be informed by international accounting standards. It is expected to be delivered in late 2022.



COVID-19 – EXEMPLARY HEALTH CRISIS AND FINANCIAL MANAGEMENT

Western Australia has faced the challenge and threats of the COVID-19 pandemic by adopting a rapid, proactive approach to managing the risks, enabling our State to achieve some of the world's best health and economic outcomes. This success has reflected the effectiveness of coordinated action across the State's public institutions, in particular health authorities and police, supported by a high level of public trust.

The WA Government has adopted a consistent approach to managing and minimising COVID-19 community transmission that prioritises safety, including a targeted focus on higher risk groups such as those in aged care and remote Aboriginal communities. By putting health first, the WA Government's handling of the pandemic and community support has been effective in minimising the spread of COVID-19 enabling social and economic life to continue with minimal restrictions.

Supported by a \$5.5 billion economic recovery package across all sectors of the economy, the WA Government's response to the crisis has helped

keep businesses running, people in work, and driven a thriving economy. This has also built confidence and optimism for the future of Western Australia during this challenging time.

The effectiveness of the WA Government's health and financial management throughout the pandemic is reflected through the strength of the State budget released on 9 September 2021, most notably:

- employment has recovered to above pre-COVID levels with over 40,000 additional jobs created;⁴
- the economy remains resilient with GSP estimated to have grown by 3.25% in 2020-21;
- the level of net debt has fallen to \$34 billion in 2020-21 and remains at sustainable levels.



⁴ Australian Bureau of Statistics (September 2021). "Labour Force, Australia".



ENVIRONMENT

Ningaloo Reef, Exmouth: photo courtesy of Tourism Western Australia

OVERVIEW

The WA Government acknowledges that Western Australia has a relatively high carbon footprint when measured on a per capita basis (35t CO₂), which has gradually increased over the past two decades due mostly to the rapid expansion of the resources sector in servicing the global economy.⁵ A significant comparative advantage in natural resources and effective partnerships between Government and industry has facilitated Western Australia having a GSP per capita more than 50% above the national average.

It is these same attributes of innovation and effective partnerships with industry the WA Government is harnessing to take maximum advantage of Western Australia's abundant natural and mineral resources, in support of new industries and initiatives with the potential to rapidly reduce the State's carbon footprint.

The WA Climate Policy, released in November 2020, provides significant detail on how this will be progressed, with the vision to:

"harness Western Australia's innovation and wealth of natural and mineral resources to achieve net zero emissions and ensure a prosperous, resilient future for all Western Australians."

BROAD BASED CLIMATE ACTION

Whilst reducing carbon emissions is of significant importance, the WA Government has proactive policies and effective programs in place to improve environmental outcomes across a broad range of important areas such as waste management and recycling, pollution reduction and mining rehabilitation. Further, Western Australia is well respected as a national / world leader in areas such as water management, biodiversity conservation and sustainable fisheries management.

⁵ Australian Government (2021), "National Greenhouse Accounts 2019".

PROGRESSING TOWARDS THE PARIS AGREEMENT OBJECTIVE OF NET ZERO EMISSIONS BY 2050 IS A COMMITMENT OF THE WA GOVERNMENT



STATE BUDGET CLIMATE FOCUS

The priority the WA Government places on commitments within the Climate Policy was reinforced through the State budget released on 9 September, which made specific reference to:

- Establishment of an inaugural Climate Action Fund – with an initial allocation of \$750 million to fund a range of new initiatives and existing commitments;
- An allocation of \$1.4 billion to fund Perth's next desalination plant, to be powered by renewable energy.

CARBON TRANSITION

*HARNESS WESTERN AUSTRALIA'S
INNOVATION AND
WEALTH OF NATURAL AND
MINERAL RESOURCES TO
PROGRESS TOWARDS
NET ZERO EMISSIONS*

Wind farm along Nine Mile Beach near Dongara: photo courtesy of Tourism Western Australia

WESTERN AUSTRALIA'S UNIQUE NATURAL RESOURCES



2.5 MILLION
KM² OF LAND



48%
GLOBAL LITHIUM
PRODUCTION IN 2020

Western Australia accounted for 48% of global lithium production in 2020, being the world's largest lithium producer and a significant producer of other battery minerals.

13,000 KM
OF COASTLINE



ABUNDANT WIND
AND SOLAR
RESOURCES

Western Australia has among the best combined wind and solar resources in the world. For example average wind speeds of 7.50 to 8.75 m/s and annual Global Horizontal Irradiation of 2,100 kWh/m² are observed at Oakajee in the Mid-West.

ENERGY TRANSFORMATION



1/3
OF WESTERN AUSTRALIAN
HOUSEHOLDS NOW HAVE
ROOFTOP SOLAR

SOUTH-WEST INTERCONNECTED SYSTEM TRANSITION

2020 ————— 2040
37% **70%**
RENEWABLES

2010 ————— 2020 ————— 2040
45% **20%** **<5%**
COAL

ELECTRIC VEHICLE CHARGING NETWORK



6,000 KM
OF ELECTRIC HIGHWAY

Western Australia will soon be home to the longest electric highway in Australia with 45 locations averaging less than 200 km apart and spanning approximately 6,000 kilometres across the State.

CLEAN MANUFACTURING AND FUTURE INDUSTRIES



Western Australia has outstanding renewable resources, abundant land and mineral wealth together with a highly skilled workforce and established export markets. Given these comparative advantages – and the WA Government's outstanding historical record of adopting the right policy settings and partnership models with industry to achieve successful investment outcomes - Western Australia is uniquely placed to be a world leader in industry led solutions towards a net zero emissions future.



RENEWABLE HYDROGEN STRATEGY

The WA Government has already committed more than \$90 million to support development of Western Australia's renewable hydrogen industry by delivering regulatory reforms and enabling studies to support private investors' understanding and confidence.



FUTURE BATTERY AND CRITICAL MINERALS INDUSTRIES STRATEGY

Aiming to grow Western Australia's future battery and critical minerals industries. This will also leverage off the strength of WA's mining industry – producing 48% of the world's lithium – and leading position globally in the deployment of off-grid energy storage systems.



GREENHOUSE GAS EMISSIONS POLICY FOR MAJOR PROJECTS

This policy embeds the State's net zero goal into enforceable conditions for proposals assessed under the *Environmental Protection Act 1986* by requiring interim and long term targets for emissions reduction.



Construction has started for Australia's first renewable hydrogen energy plant intended to support a remote microgrid in the Gascoyne town of Denham: photo courtesy of Horizon Power

TRANSFORMING ENERGY GENERATION AND USE



The WA Government has a proactive history in supporting renewable energy, having provided incentives for more than a decade to facilitate the emergence and rapid uptake of solar power, with over one third of Western Australian households having installed rooftop solar.



ENERGY TRANSFORMATION STRATEGY

The Strategy is guiding a revolution in how electricity is generated, distributed and used in Western Australia, and helping to decarbonise the energy sector. It sets out the steps such as supporting continued update and better integration of resources like rooftop solar, batteries and electric vehicles, as well as identifying the investments needed for higher levels of lowest-cost renewable generation and battery storage.

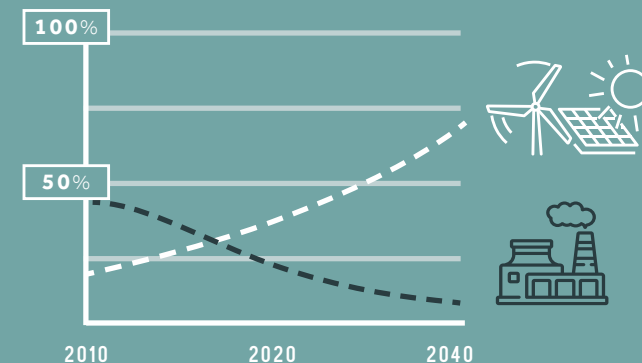
20-YEAR ENERGY OUTLOOK

Western Australia will continue to leverage its unique comparative advantage to develop large scale solar and wind generated renewable energy sources, as well as the production of renewable hydrogen. Further, successful trials have confirmed the potential in regional areas to significantly expand installation of stand-alone renewables based power systems and microgrids.

For the South West Interconnected System (SWIS) which covers metropolitan areas and over 85% of the State's population, extensive application of wind farm generation and other renewable sources already account for 37% of installed capacity. [Whole of System Plan](#) (WoSP) modelling of total capacity

(including rooftop solar systems) in the SWIS indicates that, by 2040, over 70% of energy generation for the SWIS will be from renewable sources. The next WoSP will consider renewable generation and storage investments consistent with the WA Government's goal of net zero emissions by 2050.

The rapid transformation of the electricity sector, together with increasing electrification of existing and emerging industries, including manufacturing, resources and transport, will support low emissions growth in Western Australia and provide the potential for export to assist the decarbonisation of our trading partners.



SIGNIFICANTLY DECLINING RELIANCE ON COAL FOR WA ELECTRICITY GENERATION

From 2010 to 2020, coal fired generation capacity reduced from around 45% to 20% of total SWIS generation capacity.

In August 2019, the State Government announced the retirement of its two oldest coal-fired power generators from 2022 and, under scenarios modelled in the WA Government's [WoSP](#), coal fired generation capacity could reduce further to 5% or less by 2040.

RENEWABLE ENERGY PRECINCTS

WESTERN GREEN ENERGY HUB 🔍

The Western Green Energy Hub has the potential to produce up to 50 GW of renewable energy to support green hydrogen and green ammonia production for both domestic use and export. It will be located in a 1.5 million hectare area in Western Australia's sparsely populated far South-East, being an ideal location due to the consistency of high winds and solar energy over a 24-hour period. The project progresses targets of the WA Government's Renewable Hydrogen Strategy and is underpinned by collaboration with the traditional owners, the Mirning people, who have an equity stake in the project consortium through the Mirning Traditional Lands Aboriginal Corporation.

ASIAN RENEWABLE ENERGY HUB 🔍

The Asian Renewable Energy Hub is designed to generate up to 26 GW of renewable energy in Western Australia's East Pilbara region (1,300 km NNE of Perth). This is more than double total current generation in Western Australia – therefore representing significant export capacity. Up to 3 GW of generation capacity will be dedicated to large energy users in the Pilbara region, which could include new and expanded mines and downstream mineral processing.

OAKAJEE STRATEGIC INDUSTRIAL AREA 🔍

The WA Government is currently exploring the creation of a globally competitive renewable hydrogen precinct at Oakajee. The Oakajee Strategic Industrial Area (SIA) has been selected by the WA Government as the site for a future deep water port and export orientated industrial area to service the Mid-West region. Oakajee is recognised for its world class wind and solar energy potential. Initial assessments show Oakajee SIA could provide up to 270 MW of wind generation and 1,250 MW of solar renewable energy with a consistently high renewable contribution to the daily load. An expression of interest (EOI) for hydrogen export proposals was released in 2020-21, with 65 EOIs received from companies located across the globe.

THE COMBINED RENEWABLE ENERGY GENERATED BY THESE PROJECTS IS POTENTIALLY MORE THAN 5 TIMES THE CURRENT ELECTRICITY GENERATED IN WESTERN AUSTRALIA.



CLEAN ENERGY FUTURE FUND

Established in April 2020, the Clean Energy Future Fund (CEFF) supports innovative clean energy projects in Western Australia with the potential to decarbonise existing industry, enhance energy efficiency or develop new low carbon industries.

The CEFF provides up to 25% of project costs to assist businesses and investors to accelerate the State's clean energy transformation supporting the WA Government commitment to net zero greenhouse gas emissions by 2050. Royalties from any unconventional onshore oil and gas projects will be used to top up the CEFF.



STANDALONE POWER SYSTEMS IN REGIONAL AREAS

WA Government owned utilities are leaders in replacing traditional poles and wires infrastructure with alternative renewables-based Stand-alone Power Systems (SPS).

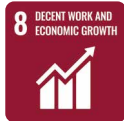
Recent pilot projects have demonstrated SPS can improve reliability of power supply and reduce bushfire risks at a lower cost than traditional solutions. The WA Government is accelerating deployment with a

\$203 million investment to install more than 1,000 SPS by 2025 with potential to expand to 6,000 units over the next 30 years.



Installation works are underway at remote sites east of Esperance: photo courtesy of Horizon Power

STORING CARBON



Western Australia's significant 2.5 million km² land mass provides significant potential for carbon sequestration (storage) in vegetation and soils, with associated benefits of economic diversification and new job opportunities for traditional owners and regional communities.

CARBON FARMING AND LAND RESTORATION PROGRAM

A \$15 million grant program to facilitate the uptake of carbon farming in the South-West agricultural zone, enabling rural businesses to establish projects that deliver environmental, community and economic co-benefits.

SOFTWOOD PLANTATION EXPANSION FUND

As part of the Climate Action Fund, the WA Government has allocated \$350 million over 10 years to expand the pine plantation estate in WA. This could facilitate over 50 million trees being planted across at least 33,000 hectares, with the potential to sequester up to 9.5 million tonnes of CO₂ and provide sustainably sourced timber for Western Australia's construction industry.

CARBON FOR CONSERVATION INITIATIVE

Provide opportunities for carbon farming service providers, including Aboriginal pastoral businesses and native title holders, to work with the WA Government to maximise environmental and economic benefits of carbon farming at suitable locations within the conservation estate and other lands of interest.



Photo courtesy of Department of Biodiversity, Conservation and Attractions

*THE 33,000 HECTARE
SOFTWOOD PLANTATION
COULD SEQUESTER
UP TO 9.5 MILLION
TONNES OF CO₂*

Pinus Pinaster plantation in WA: photo courtesy of Forest Products Commission

LOWER-CARBON TRANSPORT



The WA Government is taking action to reduce the need for private vehicle travel by making significant investments in electrified public transport through METRONET, in conjunction with urban planning to support walking, cycling and transforming road networks to facilitate growth in the use of electric vehicles.

METRONET

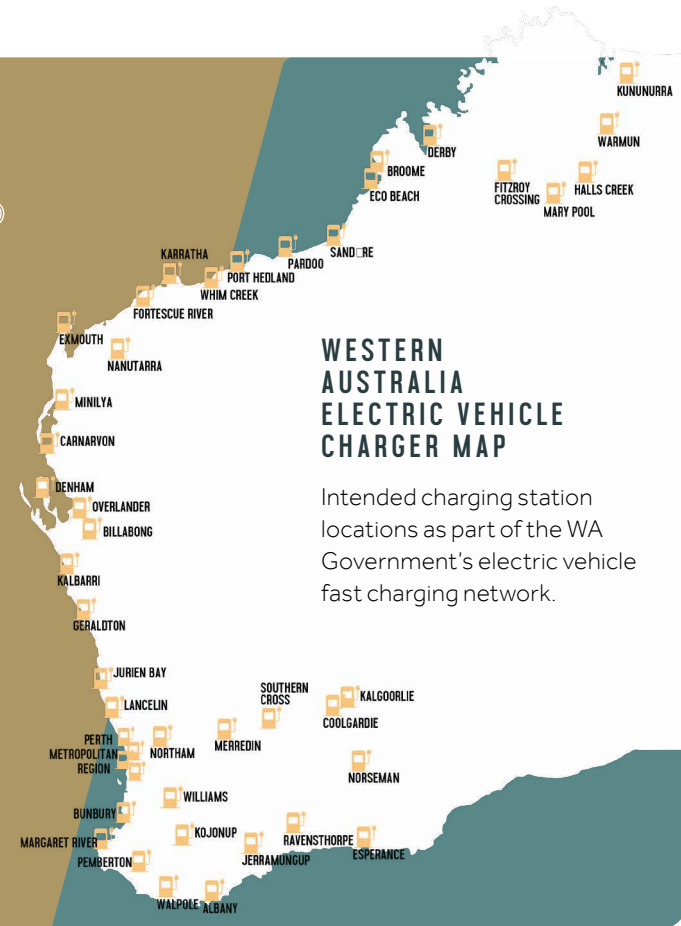
METRONET is the most significant investment in electrified public transport ever undertaken in Western Australia, amounting to \$5.7 billion. It is also a core component of the WA Government's strategy for managing sustainable residential development, connecting communities, transitioning Perth to a leading waterwise city and significantly reducing the need for car travel.



Photo courtesy of Department of Transport

ELECTRIC VEHICLE CHARGING NETWORK

Rolling out an electric vehicle charging network covering approximately 6,000 km with recharging stations at 45 locations averaging less than 200 km apart. This will facilitate travel north from Perth to Kununurra, along the South-West coast to Esperance, and east to Kalgoorlie, to become one of the world's longest electric vehicle charging infrastructure networks. The charging network is a key initiative of the WA Government's [Electric Vehicle Strategy](#).



GOVERNMENT LEADERSHIP



In addition to paving the way for investment in new industries and direct infrastructure investment that will transform Western Australia's carbon footprint, the WA Government is showing leadership through both its own direct activities and initiating pilot projects to demonstrate proof of concept to industry.



SECTORAL EMISSIONS REDUCTION STRATEGIES

Developing strategies to reduce emissions in key economic sectors, including policies to guide the path to net zero emissions for business, industry and the broader community.



TRANSITION GOVERNMENT OPERATIONS TO NET ZERO EMISSIONS

Requiring all government agencies and government owned businesses to develop and implement plans to transition towards net zero emissions by 2050.

25%

ELECTRIC VEHICLES BY 2026

Commitment to a target of 25% electric vehicles for eligible segments in the government fleet by 2026 as well as investment in charging stations in owned and leased buildings.



**WA IS THE ONLY
STATE TO FULLY
OFFSET ITS
FLEET SINCE 2006***

* Approximately 45,000t GHG per year through accredited environmental programs



Part of the WA Government's Electric Vehicle Fleet: photo courtesy of Department of Finance.

SUSTAINABLE RESIDENTIAL DEVELOPMENT AT WHITE GUM VALLEY 🔍

White Gum Valley (WGV) was only the second project in Australia and 11th in the World to achieve international endorsement as a One Planet Community through One Planet Living®.

The WGV residential development in Fremantle has set new benchmarks for sustainable development, demonstrating industry leading water and energy initiatives combined with new technologies.

Research has confirmed that WGV is:

- a net exporter of electricity; and
- reduced water consumption by 64% compared to a typical development.

The carbon positive development has won numerous awards, including for Urban Water Excellence and Sustainable Urban Development.

Lessons learnt at WGV are being integrated into further projects in Western Australia, such as the WA Government led East Village in Knutsford.



Gen Y house for low carbon living in White Gum Valley:
photo courtesy of DevelopmentWA



Sustainable demonstration homes in East Village, Knutsford.
Image courtesy of DevelopmentWA - artist impression for illustrative purposes only.



WATER MANAGEMENT

Southern Seawater Desalination Plant, Binningup - 150 km south of Perth.
Produces approximately 30% of Perth's water supply with energy purchased from wind and solar farm.
Photo courtesy of Water Corporation

SECURITY OF SUPPLY AND QUALITY



The WA Government was a pioneer in understanding how climate change could impact the security and

quality of the State's water supply, being the first State in Australia to develop large scale demand management and water supply initiatives.

This has enabled significant diversification in water supply sources to be achieved over the past 20 years, removing reliance on streamflow to dams which has declined significantly due to climate change.

Proactivity and innovation is enabling the WA Government to ensure availability and sustainable management of water and sanitation for all, as well as adapting to water scarcity across various sectors.

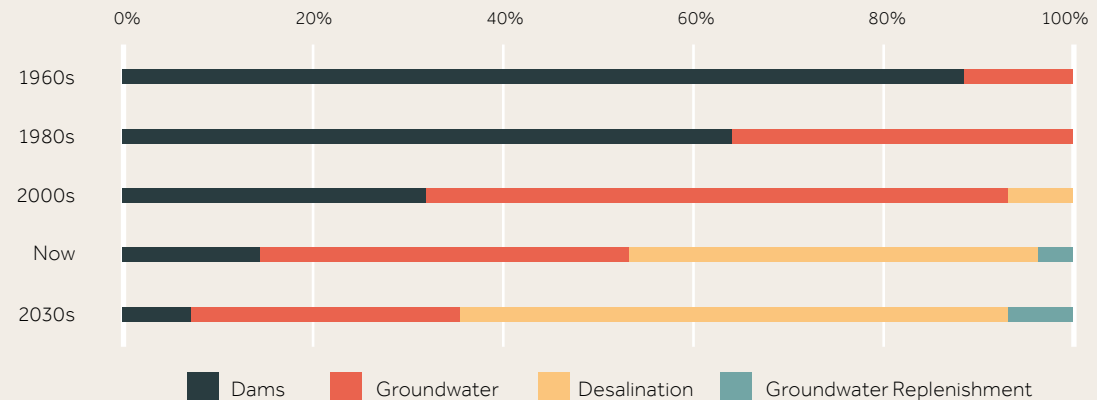
This includes potable water obtained from wastewater recycling through groundwater replenishment – a unique application and the first of its kind in Australia – for which production is projected to double over the next decade. This is also supported by a scientifically rigorous and multi-disciplinary framework to guide water allocation from available sources.

100% QUALITY WATER

The drinking water supplied to the Greater Perth area, where almost 80% of Western Australia's population resides,⁶ consistently meets a 100% quality standard. This reflects the effectiveness of comprehensive management programs in place to ensure the strict health standards of the Australian Drinking Water Guidelines are met.

**WA WAS THE FIRST STATE
TO DEVELOP LARGE SCALE
DEMAND MANAGEMENT
AND WATER SUPPLY
INITIATIVES IN RESPONSE
TO CLIMATE CHANGE**

GREATER PERTH WATER SOURCES



Source: Water Corporation

⁶ Australian Bureau of Statistics (2019-20), "Regional Population".

EDUCATION AND EFFICIENCY

The WA Government has been proactive over many years with community education and related policies having facilitated a decrease of 32% in Perth consumption per capita water usage over the past two decades.

2030 GREATER PERTH: A WATERWISE CITY

In 2019 the ambitious [Waterwise Perth Action Plan](#) was released which outlines actions to transition Greater Perth to becoming a leading waterwise city. Significant progress against targets is being made, reflected by a 26% improvement over the past five years across the 34 internationally recognised scoring metrics that characterise a [waterwise city](#).



RECYCLING AND WASTEWATER MANAGEMENT

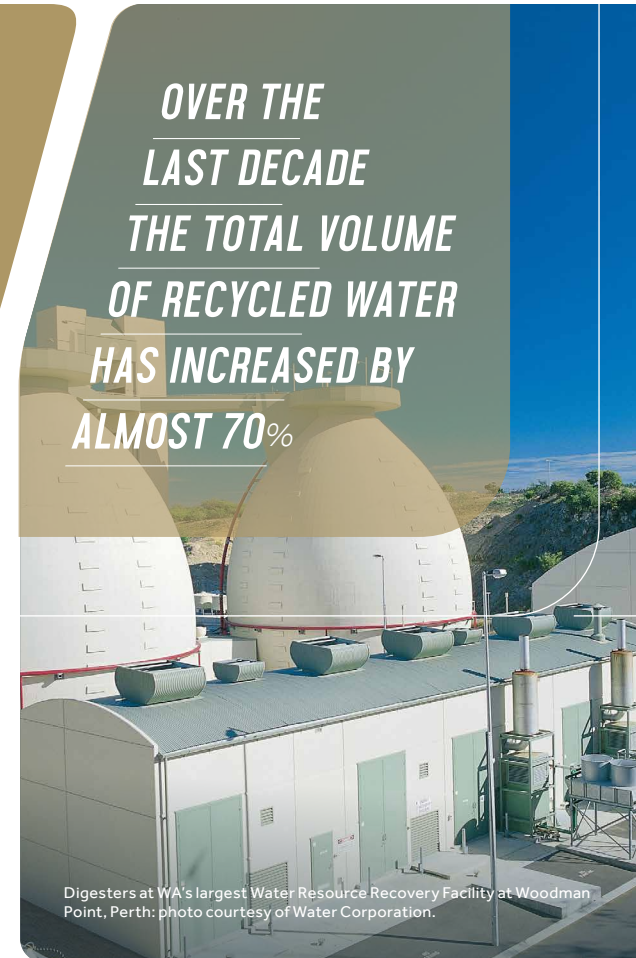
The WA Government is committed to developing a robust and sustainable water future. Through sophisticated wastewater system and treatment practices, a steadily increasing amount of recycled wastewater is being reused in various ways such as for groundwater replenishment, irrigation of sporting grounds, public open spaces, industrial processes and expanding water supply for agricultural irrigation in regional areas.

30% OF WASTEWATER RECYCLED BY 2030

Over the last decade the total volume of recycled water has increased by almost 70%, with over 70 recycling schemes in operation across the State, and an ambitious target to recycle 30% of wastewater by 2030. Importantly, recycled and alternative water supplies are expected to make up a steadily increasing amount of the projected gap between future water demand and supply by 2030.



*OVER THE
LAST DECADE
THE TOTAL VOLUME
OF RECYCLED WATER
HAS INCREASED BY
ALMOST 70%*



Digesters at WA's largest Water Resource Recovery Facility at Woodman Point, Perth: photo courtesy of Water Corporation.

DROUGHT TOLERANT CROPS

Western Australian's agriculture industries have been proactive with adaptation and innovation in the dryland farming agricultural sector by developing drought-tolerant crops to support its \$5 billion grain industry. Western Australia's best in class practices are continuously evolving with success highlighted by using 83% less distributed water than the Australian average and 50% less self-extracted water.⁷ Furthermore, more than \$20 million per year is allocated to grains research and development, with many of the research programs also having relevance to improving dryland production in developing countries.



BIOSOLIDS RECOVERY

Reusing biosolids plays an important role in responding to the impacts of climate change in Western Australia. Biosolids are the organic sludge from domestic and industrial wastewater that, following treatment, can be used as natural fertilisers and soil improvers for broad-acre crops such as wheat, oat, canola, lupins and forestry applications.

The WA Government aims to recover 100% of this valuable resource from Perth metropolitan and 75% from regional areas – and has regularly achieved this KPI as part of the commitment to sustainability, waste reduction and a circular economy in which human health and the environment are protected.



**INNOVATIONS IN
DROUGHT-TOLERANT
CROPS HAVE LED
TO 83% SAVINGS
IN DISTRIBUTED
WATER USAGE**

Dryland farming around the Meckering earthquake preserved fault line:
photo courtesy of Tourism Western Australia

⁷ Bankwest Curtin Economics Centre (2020), "Green Shoots: Opportunities to grow a sustainable WA economy".

A photograph of three green recycling bins with yellow, green, and red lids, arranged in a row outdoors. The bins are part of a three-bin kerbside collection system. The background shows a tree and a building.

WASTE AND POLLUTION

Three-bin kerbside collection system with a separate food organics and garden organics (FOGO) service to increase recovery of municipal solid waste: photo courtesy of Department of Water and Environmental Regulation

*WITHIN THE SPACE OF 5 YEARS
WESTERN AUSTRALIA
HAS REDUCED THE
AMOUNT OF WASTE
SENT TO LANDFILL
BY MORE THAN A THIRD*

WASTE



The WA Government acknowledges that historically Western Australia has had high waste per capita and a low recycling rate. It is committed to tackling waste issues by developing collaborative reforms with key stakeholders to ensure delivery of outcomes in the long-term best interests of the State, the community and industry. In recent years significant improvements have been achieved in recycling, reducing waste generation, and better managing commercial and industrial waste, shown through a reduction in waste sent to landfill by more than a third, and increased resource recovery from 42% to 58% over the past 5 years.



WASTE AVOIDANCE AND RESOURCE RECOVERY STRATEGY 2030

The ambitious strategy aims for Western Australia to become a sustainable, low-waste, circular economy in which human health and the environment are protected from the impacts of waste. The WA Government has set ambitious targets for continuous improvement of waste management benchmarked against best practice with a commitment to monitor and report on progress, as indicated in annual [Waste Strategy Action Plans](#).

2030 KEY TARGETS
INCLUDE:

20% REDUCTION IN WASTE
GENERATION PER CAPITA

75% INCREASE IN
MATERIAL RECOVERY

WASTE-TO-ENERGY

Construction is in progress for Australia's first two large scale waste-to-energy (WtE) facilities both located in Western Australia. The first facility is expected to commence processing waste from 2022.

The Waste Strategy recognises the role of WtE in the waste hierarchy, and the role of WtE in

processing residual waste (waste that remains after the application of a better practice source separation and recycling).

The \$1.2 billion facilities meet the most stringent environmental requirements and demonstrate the WA Government's commitment to deliver environmental, economic and social benefits to Western Australians using innovative technologies.

The two facilities will have the capacity to process around 700,000 tonnes of waste per annum, being a significant diversion from landfill whilst generating 65 MW of energy, enough to power 83,000 homes.



ROADS TO REUSE (RtR) 🔍

Construction and Demolition (C&D) waste accounts for around half of all waste generated in Western Australia. Avoiding and recovering C&D waste is a key priority and is critical to achieving the State's material recovery targets.

A successful recycling system relies on strong markets for recycled materials to help 'close the loop.' The RtR program supports markets for recycled C&D products. The program encourages the use of recycled C&D materials in civil applications, such as road construction, by supporting the supply of products which meet a product specification to protect human health and the environment.

Partnering with industry, the WA Government delivered successful RtR pilot programs that saw 62,000 tonnes of crushed recycled concrete used in roads construction since commencement in 2019. This unique program was recognised by the National Waste and Recycling Industry Council and recommended to be adopted nationally.



Construction and demolition material from the former Princess Margaret Hospital site. More than 80,000 tonnes of material is expected to be recycled and re-purposed for road base: photo courtesy of Department of Water and Environmental Regulation

PLAN FOR PLASTICS 🔍

The Plan for Plastics provides a roadmap towards a more sustainable, plastic-free Western Australia. Regulations to ban certain single-use items will be implemented in a two stage approach.

Implementation of this plan will now be completed by the end of 2022, having been recently fast tracked by the WA Government, bringing forward the original implementation schedule by 4 years. This will prevent the use of millions of tonnes of single-used plastic such as dinnerware, thick plastic bags, helium balloon releases, polystyrene packaging and takeaway coffee cups and lids.



Western Australia has been recognised by WWF-Australia as a leading jurisdiction in Australia for single-use plastic reform in 2021, which is an important component of tackling plastic pollution.

POLLUTION



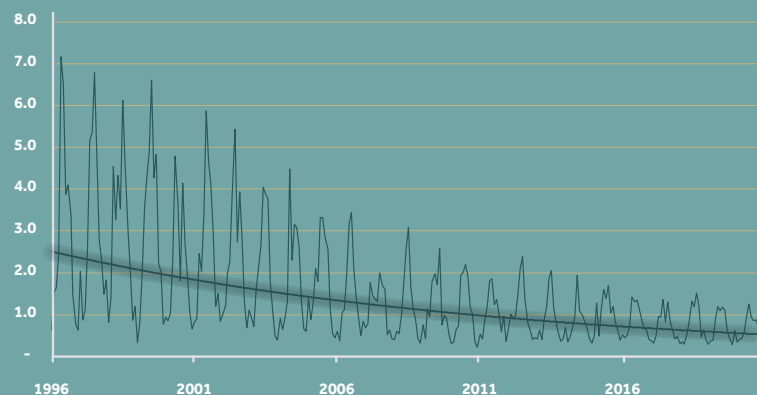
Air quality in Western Australia is assessed and managed in accordance with the rigorous [National Environment Protection \(Ambient Air Quality\) Measure \(NEPM\)](#) established in 1998, which sets a range of target indicators for a number of common pollutants. This is supported by the [Perth Air Quality Management Plan](#), a 30 year plan addressing various sectors to improve and maintain clean air in the Perth metropolitan region.

The WA Government employs a geographically diverse air monitoring network due to the State's size and population spread, operating and maintaining 16 air quality monitoring sites which significantly exceeds minimum requirements under the NEPM, and has consistently met targets in regards to carbon monoxide, ozone, nitrogen dioxide and sulfur dioxide levels as demonstrated in [annual monitoring reports](#).

Continuous improvement over time has also been achieved in high impact areas, such as those around major road networks and industrial hubs as shown in the charts below for carbon monoxide and sulfur dioxide respectively. The improvements are in part the result of a history of commitment to air pollution control programs, such as the [CleanRun](#) and [BurnWise](#) programs aimed at community education, together with regulating

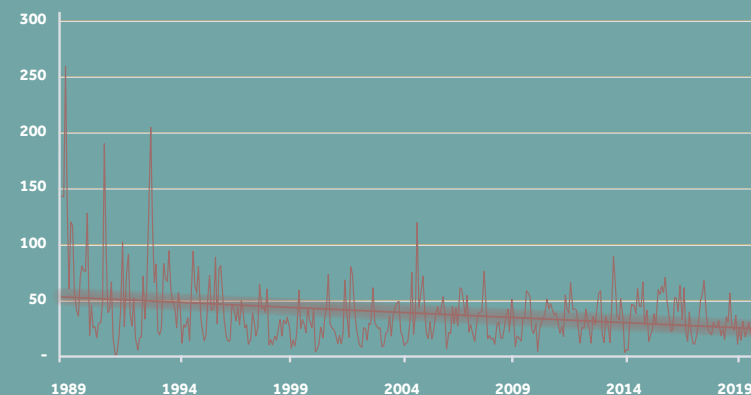
and informing industry and the public to decrease pollution from sources such as industry facilities, home heating and vehicles. Additionally, the WA Government continues to apply cutting edge new technology such as the Light Detection and Radar (LiDAR) system and remote air pollution detectors (RAPID) to provide fast identification and tracking of pollution hotspots, emission sources and gas plumes around industrial facilities.

EVOLUTION OF CARBON MONOXIDE (CO) LEVELS (PARTS PER MILLION)
AT A HIGH IMPACT LOCATION ADJACENT TO A MAJOR ROAD NETWORK



Source: Department of Water and Environmental Regulation

EVOLUTION OF SULFUR DIOXIDE (SO₂) LEVELS (PARTS PER BILLION)
AT A HIGH IMPACT LOCATION NEAR A MAJOR INDUSTRIAL AREA





CONSERVATION AND REHABILITATION

*WESTERN AUSTRALIA
HAS BEEN
INTERNATIONALLY
RECOGNISED FOR ITS
ENVIRONMENT IMPACT
ASSESSMENT POLICY*

The Basin, Rottnest Island: photo courtesy of Tourism Western Australia

BIODIVERSITY MANAGEMENT

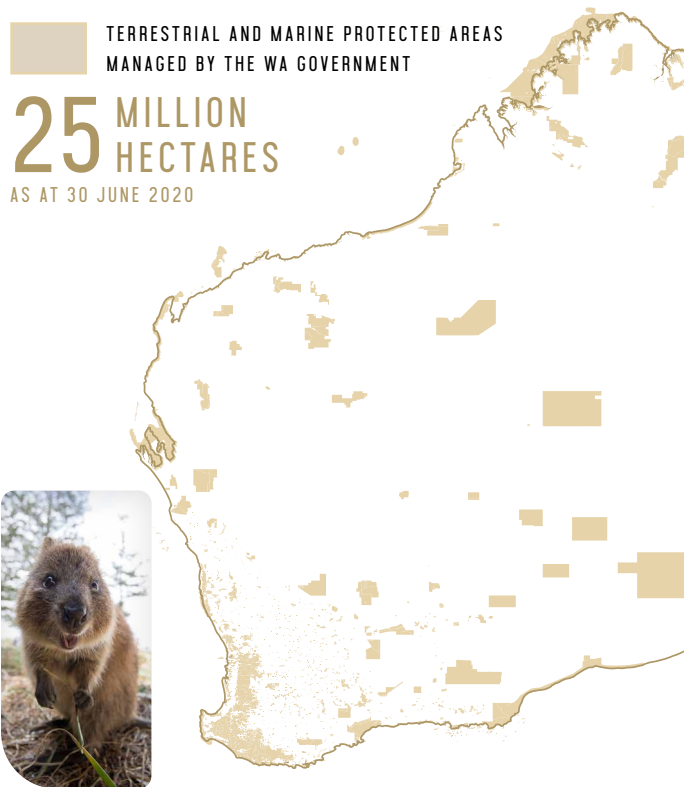


Western Australia has a rich and unique biodiversity, being home to 8 of the 15 national biodiversity hotspots. The South-West region holds international status as 1 of 36 globally recognised biodiversity hotspots. This creates significant environment challenges for which the WA Government is world renowned for effectively managing - being internationally recognised for sustained contribution to good practice for environment impact assessment policy and leading sustainable and ethical management of fisheries.

TERRESTRIAL AND MARINE PROTECTED AREAS
MANAGED BY THE WA GOVERNMENT

25 MILLION
HECTARES

AS AT 30 JUNE 2020



Quokka on Rottnest Island - world's happiest animal:
photo courtesy of Tourism Western Australia

CONTINUOUS IMPROVEMENT IN TERRESTRIAL AND MARINE SPECIES PROTECTION

The WA Government's Plan for Our Parks initiative will create 5 million hectares of new national and marine parks and other conservation reserves by February 2024, increasing the State's conservation estate by 20%, and expand existing joint management arrangements with Aboriginal traditional owner groups. This will provide additional opportunities for nature-based tourism and carbon farming initiatives.



IMPROVING HEALTH OF WATERWAYS

The WA Government is working to improve water quality in rivers and estuaries in South-West Western Australia across a combined catchment area of approximately 4 million hectares, an area comparable to Switzerland. Healthy Estuaries WA is a holistic ecosystem management program targeting at-risk estuaries and priority catchments impacted by housing, agriculture, industry and recreation activities.

The \$25 million program implements actions to reduce nutrient and organic discharge from agricultural land to estuaries, improving water quality. Better water quality will result in fewer low oxygen, algal bloom and fish death events and enhance internationally listed Ramsar wetlands and other important habitat for migratory birds in accordance with international agreements for their conservation (JAMBA, CAMBA and ROKAMBA). The program will also improve the health of seagrass meadows for blue carbon storage.



MINING REHABILITATION

Planning for mine closure is a critical aspect in ensuring that mining in Western Australia is environmentally and socially sustainable. Since 2011, effective rehabilitation strategies must be in place as part of mandatory Mine Closure Plans, and approved plans must be regularly reviewed and resubmitted for approval at various intervals throughout the life of a mine. The WA Government plays a unique role in providing best practice guidance and showcasing innovative techniques and strategies for effective and sustainable rehabilitation.

MINING REHABILITATION FUND

As mining has occurred in Western Australia for more than 150 years, the WA Government is addressing the issue of abandoned mine sites through the Mining Rehabilitation Fund, an annual levy on mining tenement holders created in 2012 that provides a source of funding to address abandoned mines and encourage progressive rehabilitation during mining operations.



SUSTAINABLE FISHERIES AND AQUATIC RESOURCES MANAGEMENT

The WA Government employs a rigorous process to assess the state of fish stocks and other aquatic resources of Western Australia.

These reports outline the most recent assessments of the cumulative risk status for each of the aquatic resources using the world-leading Ecosystem-Based Fisheries Management approach that addresses target species, by-catch species, habitat and ecosystem issues.

As of 2021, 11 fisheries representing around 90% of the total wild catch value were MSC certified, the highest in Australia, with 98% of all fish stocks regarded as 'not at risk' from fishing.

WORLD LEADING SUSTAINABLE AND ETHICAL FISHERIES MANAGEMENT

Western Australia is highly regarded internationally for leading sustainable and ethical fisheries management, being one of the few jurisdictions in the world with a comprehensive ecosystem-based plan for managing fish stocks.



**WA'S ROCK LOBSTER FISHERY
WAS THE FIRST IN THE
WORLD TO ATTAIN
THE STRICT INTERNATIONAL
MSC CERTIFICATION
IN 2000**

Western Rock Lobster: photo courtesy of Tourism Western Australia

SOCIAL



Rottneest Channel Swim, Cottesloe: photo courtesy of Tourism Western Australia

SOCIAL

Western Australia offers an attractive lifestyle with a great climate, an abundance of recreational opportunities and a rich cultural heritage supported by a world class public health, education and judicial system.

It is the ongoing challenge of the WA Government to maintain and enhance the social fabric of the community, ensuring equal opportunity for all with those requiring assistance being supported to reach their full potential.

The WA Government accepts this responsibility, and that of providing increased opportunities for Aboriginal people to achieve self-determination, appropriate cultural recognition and benefit from the economic prosperity of the State.

HEALTH AND WELL-BEING



Western Australians enjoy good health, with an average life expectancy of 83 years.⁸

This is well above the OECD average of 80.8 years and more

than 60% of adults report their health as excellent or very good, the highest in the nation.^{9,10}

Furthermore, Western Australians have the lowest proportion of smokers and the lowest infant and young child mortality rate amongst the nation.



**WESTERN AUSTRALIANS HAVE AN
AVERAGE LIFE EXPECTANCY OF
83 YEARS, WELL ABOVE THE OECD
AVERAGE OF 80.8 YEARS**

Fremantle Markets: photo courtesy of Tourism Western Australia

⁸ Australian Institute of Health and Welfare (2020). 'Australia's Health Performance Framework: Life Expectancy'.

⁹ World Health Organization (2021). 'World Health Statistics: Mortality'.

¹⁰ Australian Institute of Health and Welfare (2020). 'Australia's Health Performance Framework: Well-being'.

HEALTH SYSTEM

The Western Australian public health system covers the largest area in the world provided by a single health authority, ensuring a high quality consistent health service for all Western Australians. This is supported through the significant ongoing investment by the WA Government, allocating \$10.6 billion or 30% of general government expenditure in the 2021-22 State Budget on top of Federal funding allocation to continually strengthen Western Australia's health system whilst maintaining our world leading response to the threat of COVID-19.

HOSPITAL INFRASTRUCTURE

Western Australia has state-of-the-art public hospital infrastructure and associated health services having invested over \$7 billion in infrastructure renewal over the past decade, in both metropolitan and regional areas.

This included \$3.2 billion to develop the iconic and technologically advanced Fiona Stanley and New Children's tertiary hospitals, being the first such purpose built hospitals in 50 years, supported by new and refurbished general health campuses in outer metropolitan areas. Expanded health campuses were also developed in key regional areas of the South-West, Great Southern and Pilbara.



HOSPITAL RENEWAL PROGRAM

The hospital renewal program has been further enhanced through a \$1.8 billion capital expenditure allocation to construct a new Women and Babies hospital, ensuring the best possible care is provided to newborns and women from across the State.



CONTINUOUSLY IMPROVING HEALTH OUTCOMES

The WA Government is committed to achieving continuous improvement in health and well-being outcomes for all Western Australians, and represents the key vision of the [State Public Health Plan](#). A key enabler to developing a more efficient and effective health system is through elevating the State's standing as a centre of excellence in health and medical research.

FUTURE HEALTH RESEARCH AND INNOVATION FUND

This fund provides a secure source of funding to drive health and medical research, innovation and commercialisation to improve health outcomes, diversify the economy and improve the sustainability of the health system.

The WA Government works in partnership with Western Australia's five universities, which all have strengths in the life sciences, as well as the world-leading Western Australia based Medical Research Institutes – the Telethon Kids, Harry Perkins, Lions Eye, and Perron institutes – to build health and medical research capability in the State.



MENTAL HEALTH

The WA Government has been proactive in its approach to understanding and treating mental illness, having established the Mental Health Commission in 2010 to pave the way for significant reform initiatives – a key step in creating a modern and effective mental health system that has the individual and their recovery at the center of its focus. Commensurately, Western Australia has the highest funding and acute beds per capita for mental health in the nation.¹¹



WA STATE PRIORITIES ON MENTAL HEALTH, ALCOHOL AND OTHER DRUGS 2020-2024

Outlines the WA Government's immediate priorities toward achieving a consumer-focused, integrated and sustainable approach to mental health, alcohol and other drug support services.

COMMITMENT TO ABORIGINAL YOUTH WELL-BEING

The WA Government has made a significant commitment to Aboriginal youth well-being focusing on improving the outlook for young Aboriginal people and to significantly reduce Aboriginal youth suicide. This is supported through an initial \$267 million funding package to implement measures that focus on community and youth empowerment, support for remote communities, youth well-being, justice, education, and cultural connection.



Luridgit Cultural Experience, Kununurra: photo courtesy of Tourism Western Australia

¹¹ Australian Institute of Health and Welfare (2020). 'Australia's Health and Welfare Services: Mental Health Services'.

LIVEABILITY

The WA Government provides significant ongoing funding for a broad range of cultural, sporting and recreational activities to facilitate the associated benefits in positive mental health and general well-being of an active lifestyle, reflected by 89% of adults reported as participating in sport and recreation activity in 2021.¹² This contributes to the capital city region of Perth, accounting for over three quarters of the State's population, regularly being recognised as one of the ten most liveable and friendliest cities in the world, more recently having been ranked 6th on the Economist's most liveable cities index.¹³

ARTS, CULTURE AND SPORTS

Recent key initiatives that demonstrate the WA Government's commitment to engendering positive well-being through cultural and recreational facilities include:

- Over \$265 million investment in active transport infrastructure across Western Australia to deliver an integrated network of safe, high-quality paths for cyclists and pedestrians;
- Establishment of the [WA Hiking Strategy](#), supporting the sustainable development and integration of a bushwalking and trail running network spanning the entire State and covering a vast array of conservation estates;
- Creation of the [Cultural Infrastructure Framework](#), to promote the celebration of Western Australian's Aboriginal art, culture and heritage and promote community cohesion.



WA Museum Boola Bardip:
photo courtesy of Tourism Western Australia

Complimenting investment in participation is the ability to enjoy events at recently developed world class facilities, headlined by the \$1.6 billion Perth stadium, winner of the 2019 *Prix Versailles* international architecture award for 'most beautiful' sports facility, and the spectacular award winning \$400 million WA Museum Boola Bardip ('many stories' in Whadjuk Noongar language) that honours the cultural heritage of Australia's First Peoples and reflects the shared cultural heritage of Western Australians.

PERTH IS THE
6TH MOST
LIVEABLE CITY
ON THE PLANET



Arklow trail network near Collie, includes adaptive trails to accommodate riders with disability: photo credit: Frances Andrijich

¹² Clearinghouse for Sport (2021). "AusPlay: Western Australia".

¹³ Economist Intelligence Unit (2021). "The Global Liveability Index".

DEMOGRAPHIC AND WEALTH



POPULATION OVER 2.6M AS
AT MARCH 2021

ALMOST 30% GROWTH OVER
THE PAST 15 YEARS¹⁴

SOLID POPULATION GROWTH

Population growth has been driven primarily by strong net migration, with Western Australia being an attractive destination for skilled migrants in particular, at a rate more than 1.6 times the national average.¹⁵

STRONG LABOUR MARKET

In 2020, Western Australia's GSP per capita was over 50% higher than Australian GDP per capita, also reflecting a strong labour market with the highest participation rate and average weekly earnings across all Australian States.^{16, 17}

Western Australia is also an important operating base for the world's largest diversified corporations, including 78 Financial Times Global 500 companies. Among them are BHP Billiton, Rio Tinto, Chevron, Conoco Phillips, Woodside Petroleum, Inpex, Newmont Mining, Barrick Gold, POSCO and Mitsui.

Despite its smaller population, Perth hosts around a third of the country's Australian Stock Exchange companies, markedly higher than both Sydney and Melbourne.

¹⁴ Australian Bureau of Statistics (March 2021). "National, State and Territory Population".

¹⁵ Calculation based on: Australian Bureau of Statistics (2019-20). "Migration, Australia".

¹⁶ Australian Bureau of Statistics (September 2021). "Labour Force, Australia".

FOOD SECURITY AND SUSTAINABILITY

Western Australia's diverse geography and climatic regions provide a pristine growing environment with clean air, fresh water and productive soils, allowing for year-round production of agrifood, fisheries and aquaculture products.

Australia is food secure, being a significant net exporter of agricultural production of which Western Australia's \$5 billion grain industry is a significant contributor.

With over 80% of production exported, Western Australia plays an important role in the increasing challenge of global food security – and is part way through a 10 year strategy aiming to double the grain industry's productive capacity.



AFFORDABLE PLACE TO LIVE

Notwithstanding the significance of these wealth indicators, Western Australia remains a relatively affordable place to live, with housing affordability measures below the Australian average.¹⁸ The combination of economic opportunity, affordability and enviable lifestyle makes Western Australia a desirable place to reside.

¹⁷ Australian Bureau of Statistics (May 2021). "Average Weekly Earnings, Australia".

¹⁸ Calculation based on: Australian Bureau of Statistics. "Housing Occupancy and Costs (2017-18)" and "Residential Property Price Indexes: Eight Capital Cities (June 2021)".

**WESTERN AUSTRALIA'S
GSP PER CAPITA
IS OVER 50% HIGHER
THAN THE AUSTRALIAN
AVERAGE**



King's Park with view of Perth CBD: photo courtesy of Tourism Western Australia



EDUCATION

Photo courtesy of Department of Education

*OVER 90% OF
WESTERN AUSTRALIAN
SCHOOL AGE
CHILDREN ACHIEVE
NATIONAL BENCHMARK
STANDARDS*

EDUCATION

Western Australia has a high-quality, sophisticated and interconnected education system that creates seamless pathways for students to pursue education and career outcomes. The WA Government provides a comprehensive and well-funded public education system to support early years, primary and secondary students, with an allocation of \$5.6 billion or 16% of general government expenditure in the 2021-22 State Budget, in addition to \$449 million to improve public school infrastructure with a focus on delivering quality education no matter where students live across the vastness of the State.

The Western Australian education system consistently achieves quality outcomes, with over 90% of school age children achieving national benchmark standards.¹⁹ Coming from such a strong foundation, the key strategic direction of public education system is aptly titled 'Building on strength'.

INCLUSIVE EDUCATION AND EDUCATION SUPPORT CENTRES

The Western Australian Education system has a long and proud history of ensuring that children with disabilities receive the best possible support in their education journey.

For the 85% of students with a disability choosing to attend mainstream school, this consists of specific resource allocations such as education assistants and / or integrated education support programs to ensure they can participate in learning on the same basis as their peers.

Children with greater learning challenges have the possibility

of attending specific education support centres (ESC). The ESC provide a safe environment with small class sizes and low teacher and education assistant to student ratios, enabling specific learning plans to be implemented for each student.

In 2021 the WA Government provided 59 ESC across metropolitan and regional areas representing a funding commitment of \$214 million.



STEM AND HIGHER EDUCATION

A key WA Government priority is to evolve the education curriculum to ensure Western Australian students have the right skills for the jobs of future. This, together with providing support for the current workforce to reskill, will build a strong foundation to address the social and environment challenges of tomorrow.

Western Australia's State Science, Technology, Engineering, and Mathematics (STEM) Skills Strategy aims to ensure that everyone can develop the skills to embrace a technological future. This comprehensive strategy also focuses on establishing the right environment to attract currently under-represented groups to STEM disciplines, in particular women and Aboriginal people. Through this strategy, the WA Government is working closely with



universities, the vocational education and training system and industry, to bolster STEM capacity and capability. This encourages a closer alignment between graduate skills and industry needs.

Western Australia hosts five universities, four of which are listed in the [QS World University Rankings](#), including the University of Western Australia (UWA) which is among the top 100 universities in the world.



¹⁹ Australian Government Productivity Commission (2021). "Report on Government Services: School Education".

JOB READY SKILLS TRAINING

The WA Government heavily subsidises a comprehensive vocational education and training (VET) system, which includes a network of 70 campuses covering a wide breadth of metropolitan and regional areas.

Western Australia's VET sector supports the development of skills and knowledge that are based on business and industry needs, and is focused heavily on job ready and job supporting courses, thereby playing an important role in workforce skill development.

27% INCREASE IN ENROLMENTS

The VET system has been essential in the WA Government's strong economic response to the COVID-19 pandemic, where 180 courses were subsidised by up to 72%.

This supported Western Australians to pivot to new career pathways based on industry needs, and resulted in enrolments since 2020 increasing by 27% compared to the previous year.

GLOBAL EDUCATION OPPORTUNITIES

Western Australia offers world-class higher education and VET for international students both onshore and offshore in an international education sector worth over \$1 billion.

COVID-19 RESPONSE FOR WA'S INTERNATIONAL EDUCATION SECTOR AND STUDENTS

In December 2020 the WA Government released the WA International Education Recovery and Renewal Plan, to ensure students studying with WA providers continue to experience high quality education and training in a nurturing learning environment. This plan includes a number of initiatives and actions to support the sector and international student health and well-being.

**WESTERN AUSTRALIA
HOSTS FIVE UNIVERSITIES,
FOUR WHICH ARE LISTED
IN THE QS WORLD
UNIVERSITY RANKINGS**

University of Western Australia

HOUSING

*THE WA GOVERNMENT'S
TEN YEAR PLAN IS
TO CONNECT AN ADDITIONAL
150,000 HOUSEHOLDS TO
SUSTAINABLE SOCIAL AND
AFFORDABLE HOUSING*

Photo courtesy of Department of Communities

HOME OWNERSHIP

Achieving home ownership has long been an aspiration of Australian families encouraged by Australian governments, providing emotional security, stability and a strong foundation to establish successful communities. Western Australia has the highest percentage of home ownership of the mainland Australian States, at 70% well above the national average of 66%.²⁰

KEYSTART HELPING 20,000 WA HOUSEHOLDS INTO HOME OWNERSHIP BY 2030

The WA Government has long been at the forefront of helping Western Australian's on the pathway to home ownership, having helped over 110,000 households since 1989 through [Keystart](#) – a unique WA Government owned lender supporting eligible households through low deposit loans and shared equity schemes.

Keystart supports borrowers unable to obtain finance from traditional lenders, and is a transitional scheme whereby customers are encouraged to refinance with private lenders when financially able.

Keystart lowers entry costs through:

- providing loans with 2% deposit and no Lenders Mortgage Insurance; and
- possibility of taking up to a 30% equity share, and up to 40% for Aboriginal people and those with disabilities.

Over the past five years Keystart has provided \$5 billion in loan funds to enable 14,000 households into home ownership, including 1,000 through its shared equity scheme.

As such, Keystart constitutes a major part of the [WA Housing Strategy 2020-30](#), aiming to help a minimum of 20,000 WA households into home ownership by 2030.

Further, having been a successful stand-alone profitable corporate entity for over 30 years,

all income is distributed back to the Housing Authority that contributes significantly to the ongoing delivery of social housing initiatives.



**THE WA GOVERNMENT
HAS HELPED OVER
110,000 HOUSEHOLDS
ON THE PATHWAY
TO HOME OWNERSHIP**

²⁰ Australian Bureau of Statistics. "Housing Occupancy and Costs (2017-18)".

SOCIAL AND AFFORDABLE HOUSING



The WA Government's policy framework recognises the importance of the government, not-for-profit institutions and the private sector working together to improve housing choices and access to suitable and affordable homes, particularly for the most vulnerable.



WA HOUSING STRATEGY 2020-2030

The strategy sets clear targets to create a more agile housing system that can respond to current and future needs by connecting 150,000 WA households to safe, stable and sustainable homes across the social and affordable housing continuum.

150,000 10 YEAR TARGET FOR ADDITIONAL SOCIAL AND AFFORDABLE HOMES

STATE BUDGET FOCUS ON SOCIAL HOUSING

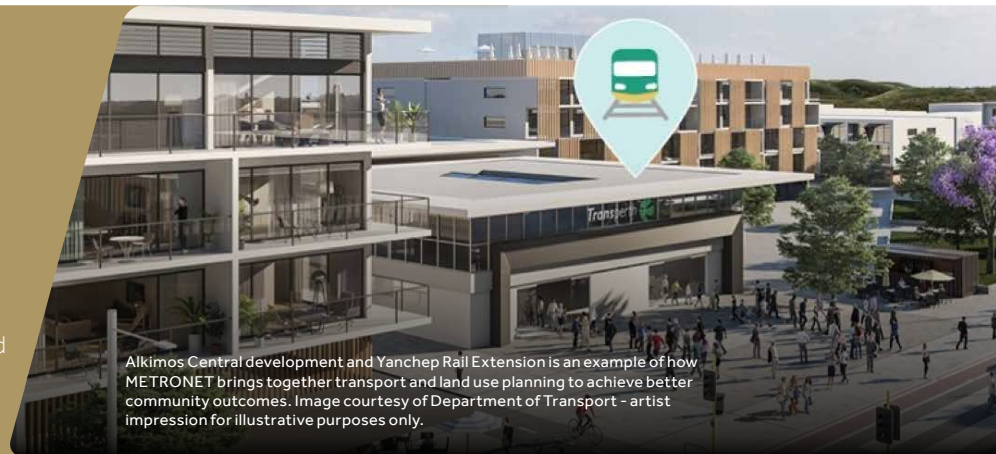
The WA Government's priority commitment to improving social housing supply was reinforced in the State budget released on 9 September 2021 with the establishment of a \$750 million Social Housing Investment Fund to support new dwelling construction, bringing the total investment in social housing committed since 2018 to \$2.1 billion.

45% INCREASE OF HOMES CLOSE TO PUBLIC TRANSPORT



A key component of the strategy involves integration with the objectives of METRONET, where social and affordable housing will play a key role within planning to create compact urban communities, with low carbon footprint dwellings on strategic sites close to METRONET stations.

The long term goal is to increase the number of homes close to public transport by 45%. Current funding includes a \$394 million package to deliver 320 new social housing dwellings and at least 400 affordable homes as part of a 1,390 new homes initiative around METRONET stations.



Alkimos Central development and Yanchep Rail Extension is an example of how METRONET brings together transport and land use planning to achieve better community outcomes. Image courtesy of Department of Transport - artist impression for illustrative purposes only.

NORTH-WEST ABORIGINAL HOUSING FUND



The North-West Aboriginal Housing Fund is a \$200 million WA Government initiative to create pathways towards social and economic independence, and well-being for Aboriginal people in the Pilbara and Kimberley.

It invests in projects that increase affordable, suitable and stable housing options, increase opportunities for educational attainment and job stability, and empower Aboriginal people and communities.

All projects involving housing construction will provide apprenticeships, traineeships and jobs for local Aboriginal people and significant opportunities through service and construction contracts for Aboriginal organisations.



HOMELESSNESS

Addressing homelessness is a key priority of the WA Government, and ongoing policy effectiveness is reflected through Western Australia having the lowest rate of homelessness of Australian mainland States.²¹

More recently, the WA Government has partnered with business and community to develop a comprehensive Homelessness Strategy. This is supported by a 2020-2025 action plan to improve outcomes and better meet the needs of Western Australians requiring assistance.

COMMON GROUND



Common Ground is a model of permanent, supportive housing in a purpose-built complex typically containing up to 100 self-contained apartments, designed for adults who have experienced chronic homelessness or are low income earners.

The model is based on a 'housing first' approach, where people experiencing homelessness and rough sleeping are placed in housing as a first priority and provided with wrap around supports that seek to address the root causes of homelessness.

As a key part of the Homelessness Strategy, the WA Government is at an advanced stage of planning for the development of two Common Ground facilities in the Greater Perth area.



WESTERN AUSTRALIA'S TEN YEAR STRATEGY ON HOMELESSNESS 2020-2030

Where we will focus our efforts



21 Australian Bureau of Statistics (2016). "Census of Population and Housing: Estimating Homelessness".

A photograph of four women, likely Indigenous Australians, standing outdoors near a body of water. They are wearing light blue button-down shirts. The woman on the far left is wearing sunglasses and has her arms crossed. The other three women are smiling at the camera. The background shows a rocky shoreline and water under a clear sky.

REDUCING INEQUALITIES

Bardi Jawi Rangers: photo courtesy of Department of Biodiversity, Conservation and Attractions

*WOMEN IN WESTERN AUSTRALIA
HAVE EQUAL REPRESENTATION
ON GOVERNMENT BOARDS
AND COMMITTEES*

REDUCING INEQUALITIES



The WA Government is committed to promote opportunities for the whole community to work together to achieve transformative change and support those who require assistance. Ongoing initiatives are geared to support continuous improvement towards achieving more inclusive, caring and accessible communities ensuring equitable and targeted access to services such as health, education, employment opportunities, justice and advocacy, as well as sport and recreation.



A WESTERN AUSTRALIA FOR EVERYONE: STATE DISABILITY STRATEGY 2020-2030

The WA Government's ten year plan is to promote and resource transformational change, empowering people with disability to participate meaningfully in all parts of society to facilitate equitable opportunities and outcomes in all areas of life.



BEYOND 2020 - WA YOUTH ACTION PLAN

The plan provides a clear roadmap for how young Western Australians will be supported to provide the opportunities they need to flourish in the future through engagement in creative and positive initiatives beyond 2020.



WORKFORCE DIVERSIFICATION AND INCLUSION STRATEGY FOR WA PUBLIC SECTOR EMPLOYMENT 2020-2025

The WA Government is leading the way on workplace diversity to ensure the qualities, contributions and perspectives of every individual are valued. The strategy sets targets that are challenging but crucial to achieving the broader benefits of workforce diversification and inclusion.

2025 Aspirational targets for diversity groups:

Diversity group	Target
Women in the Senior Executive Service	50.0%
Youth	5.8%
Aboriginal and Torres Strait Islander people	3.7%
Culturally and linguistically diverse people	15.5%
People with disability	5.0%



Beach wheelchairs enable increased access in the Monkey Mia Conservation Park: photo courtesy of Department of Biodiversity, Conservation and Attractions - Parks and Wildlife Service

GENDER EQUALITY



The WA Government has been proactive in reducing gender inequalities and is continually providing leadership within its workforce, being a key component of the State's plan for achieving gender equality: '[Stronger Together](#)'.

This has been demonstrated by the growth in female representation in the senior executive service, which reached 43% in 2020 – increasing from just 27% a decade ago. The target is to achieve 50%, a goal that has already been realised in respect to representation of women on government boards and committees – a commitment made in 2017 and facilitated through the '[Onboard WA](#)' initiative.

Building relationships with the private sector to support innovative approaches to drive gender equality is also a key component of the Stronger Together initiative, such as utilising the purchasing power of the WA Government to incentivise suppliers to support and implement gender equality policy and practice.

The strength of these ongoing commitments is reflected by the establishment of a specific Ministerial portfolio in March 2021 to address the issues of Child Protection, Women's Interests and Prevention of Family and Domestic Violence.



WESTERN AUSTRALIAN WOMEN'S HEALTH AND WELL-BEING POLICY: LIFTING THE HEALTH PROFILE OF WOMEN AND GIRLS 🔍

Launched in September 2019 the policy provides a strategic, coordinated, and gender-responsive approach by the Western Australian health system and its partners. The policy coordinates equitable, accessible and appropriate services that optimise the health, safety and well-being of women and girls in Western Australia.



PATH TO SAFETY: WESTERN AUSTRALIA'S STRATEGY TO REDUCE FAMILY AND DOMESTIC VIOLENCE 2020-2030 🔍

Gender inequality is a key driver of violence against women, this strategy sets out a whole of government and community plan for reducing and responding to family and domestic violence in Western Australia.



ABORIGINAL RANGER PROGRAM 🔍

This program helps Aboriginal organisations employ and train rangers to undertake land and sea management including conservation, cultural, tourism and educational activities across the State. A key focus is also to provide employment opportunities to Aboriginal women. Since the launch of the program, almost half the rangers employed have been women. In recognition of this success, the WA Government has committed a further \$50 million to expand the program.



IMPROVING OUTCOMES FOR ABORIGINAL PEOPLE



The WA Government is committed to working in partnership with the Aboriginal Advisory Council, Aboriginal leaders and organisations as well as the wider community to ensure Aboriginal people, families and communities are empowered to thrive and choose their own futures from a secure foundation. This is reflected by a recent direct funding commitment of more than \$750 million to enhance building infrastructure and delivering social and economic opportunities. This builds on a broad range of other forward looking strategies and partnerships.

ABORIGINAL EMPOWERMENT STRATEGY

Provides a set of strategic directions and principles that will directly support the delivery of the WA Government's Closing the Gap Implementation Plan while providing a more robust, holistic reflection of the State's approach to Aboriginal affairs policy, and the priorities identified by Aboriginal Western Australians. The Strategy was developed in partnership with the Aboriginal Advisory Council of WA, following extensive consultation with Aboriginal stakeholders and the public.

CLOSING THE GAP IMPLEMENTATION PLAN

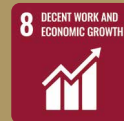
The WA Government signed the National Agreement on Closing the Gap in July 2020, which includes a suite of priority reforms and socio-economic targets to accelerate improvements in the lives of Aboriginal people. This first iteration of Western Australia's Closing the Gap Implementation Plan outlines how the WA Government will work with Aboriginal people, communities and organisations and sets out the phase one activities that support the desired outcomes for the priority reforms and socio-economic targets.



GNARLA BIDDI 'OUR PATHWAYS' METRONET ABORIGINAL ENGAGEMENT STRATEGY

The METRONET Aboriginal Engagement Strategy represents the WA Government's long term commitment to embed genuine engagement with the Aboriginal community across the \$5.7 billion METRONET public transport program and allows for cultural, business, job and land access outcomes through a set of minimum requirements, processes and targets.

The strategy strongly progresses the WA Government's commitments within the broader Aboriginal Procurement Policy and the Workforce Diversification and Inclusion Strategy for WA Public Sector Employment to provide contracting and employment opportunities to Aboriginal people.



Bunuru Festival celebrating Aboriginal culture: photo courtesy of DevelopmentWA

NATIVE TITLE AGREEMENTS

The South West Native Title Agreement is the most comprehensive native title settlement in Australian history, recognising the Noongar people as the Traditional Owners of a 20 million hectare land mass in Western Australia's South-West.

In early 2021, the WA Government finalised arrangements with the Noongar Boodja Trust, who will manage the \$1.3 billion settlement package over the next 12 years and provide significant opportunities for the Noongar people to achieve long-term, self-determining social, economic and cultural outcomes.

This follows a similar agreement achieved with the Yamatji people, consisting of a \$442 million settlement plus 100,000 hectares of land as native title compensation for a 4.8 million hectare area in Western Australia's Mid-West.

The innovative package includes funding for business development, the transfer of commercial land, joint ventures, tourism opportunities and access to housing properties for sale, leasing or development that will ensure sustainable social and economic development, and self-determination for current and future generations.



Noongar people and Noongar Elders' recognition as the Traditional Owners of the south-west region: photo courtesy of Department of the Premier and Cabinet



Directors of the Yamatji Southern Regional Corporation and Yamatji Nation Traditional Owner Negotiation Team with former Minister for Aboriginal Affairs Ben Wyatt, celebrating the conclusive registration of the Yamatji Nation Indigenous Land Use Agreement: photo courtesy of Department of the Premier and Cabinet

ACKNOWLEDGEMENTS

This information pack has been prepared as an initiative of the Western Australian Government. Key contributing agencies are:



Government of **Western Australia**
Department of **Communities**



Department of **Biodiversity,
Conservation and Attractions**



Government of **Western Australia**
Department of **Education**



Government of **Western Australia**
Department of **Finance**



Government of **Western Australia**
Department of **Health**



Government of **Western Australia**
Department of **Jobs, Tourism, Science and Innovation**



Government of **Western Australia**
Department of **Justice**



Department of
**Local Government, Sport
and Cultural Industries**



Government of **Western Australia**
Department of **Mines, Industry Regulation and Safety**



Government of **Western Australia**
Department of **the Premier and Cabinet**



Department of
**Primary Industries and
Regional Development**



Government of **Western Australia**
Department of **Transport**



Government of **Western Australia**
Department of **Treasury**



Government of **Western Australia**
Department of **Water and Environmental Regulation**



Government of **Western Australia**
Energy Policy WA








1 NO POVERTY



END POVERTY IN ALL ITS FORMS EVERYWHERE



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGs
Yamatji Nation Indigenous Land Use Agreement	 The Yamatji Nation Indigenous Land Use Agreement is a native title settlement with the Yamatji Nation people in Western Australia's Mid-West. This settlement, which was executed in 2020, consists of a \$442 million package plus 100,000 hectares of land as native title compensation for a 4.8 million hectare area. The innovative package includes funding for business development, the transfer of commercial land, joint ventures, tourism opportunities and access to properties for sale, leasing or development. This will provide for sustainable social and economic development and facilitate self-determination for current and future generations. There are revenue streams from mining, leasing or sale of land in the State's Oakajee Industrial Estate, as well as a Strategic Aboriginal Water Reserve for use or trade.	<u>Aboriginal Empowerment Strategy</u>	 
South West Native Title Settlement	 The South West Native Title Agreement is the most comprehensive native title settlement in Australian history, recognizing the Noongar people as the Traditional Owners of a 20 million hectare land mass in Western Australia's South-West. In early 2021, the WA Government finalised arrangements with the Noongar Boodja Trust, who will manage the \$1.3 billion settlement package over the next 12 years and provide significant opportunities for the Noongar people to achieve long-term, self-determining social, economic and cultural outcomes.	<u>Aboriginal Empowerment Strategy</u>	 
Social Housing Economic Recovery Package (SHERP)	 Announced in June 2020, the \$319 million SHERP is the largest social housing maintenance and refurbishment program in Western Australia's history, including 1,500 refurbished and 250 new properties to increase the supply of social and community housing for people on the priority waitlist, those living in group homes, supported disability accommodation and women's refuges. Works are underway with the first projects in Perth completed in December 2020.	<u>WA Housing Strategy 2020- 2030</u>	 
Common Ground	 Common Ground is a model of permanent, supportive housing in a purpose-built complex typically containing up to 100 self-contained apartments, designed for adults who have experienced chronic homelessness or are low income earners. The model is based on a 'housing first' approach, where people experiencing homelessness and rough sleeping are placed in housing as a first priority and provided with support services that seek to address the root causes of homelessness. As a key part of the Homelessness Strategy and its 5 year Action Plan , the WA Government has approved funding of \$45 million for the first Common Ground facility accommodating 112 people in central Perth and is selecting a location for a second facility in the Greater Perth (Peel) region.	<u>WA Homelessness Strategy 2020- 2030</u>	 



SELECTED INITIATIVES IN PROGRESS BY SDG



1 NO POVERTY



END POVERTY IN ALL ITS FORMS EVERYWHERE



SAMPLE OF INITIATIVES IN PROGRESS

OVERVIEW OF SELECTED INITIATIVES

CONNECTION TO WA GOV'T POLICY

OTHER RELATED SDGs

North-West Aboriginal Housing Fund



The North-West Aboriginal Housing Fund is a \$200 million initiative to create pathways towards social and economic independence and well-being for Aboriginal people in the Pilbara and Kimberley. It invests in projects that increase affordable, suitable and stable housing options, increase opportunities for educational attainment and job stability, and empower Aboriginal people and communities. All projects involving housing construction will provide apprenticeships, traineeships and jobs for local Aboriginal people and significant opportunities through service and construction contracts for Aboriginal organisations.

WA Housing
Strategy 2020-
2030



Keystart



Launched in 1989 and benefiting over 110,000 households, Keystart is a unique WA Government owned lender supporting eligible households through low deposit loans and shared equity schemes. It supports borrowers unable to obtain finance from traditional lenders, and is a transitional scheme whereby customers are encouraged to refinance with private lenders when financially able. Over the past 5 years, Keystart has provided \$5 billion in loan funds to enable 14,000 households into home ownership.

WA Housing
Strategy 2020-
2030



Joint vesting of marine reserves

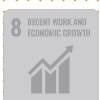
The *Conservation and Land Management Act 1984* is being amended to enable joint vesting of marine reserves (that is, marine parks, marine nature reserves and marine management areas) and to amend the conservation purpose of marine parks to include the 'protection and conservation of the value of the marine park to the culture and heritage of the Aboriginal persons'. Aboriginal people along the Western Australian coast have a strong connection to the coast and sea. This includes access to its resources, ceremonial practices, and to maintain their connection to country.

Aboriginal
Empowerment
Strategy





SELECTED INITIATIVES IN PROGRESS BY SDG












2 ZERO HUNGER



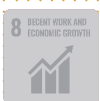
END HUNGER, ACHIEVE FOOD SECURITY AND IMPROVED NUTRITION AND PROMOTE SUSTAINABLE AGRICULTURE



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGs
Pastoral Lands Management and Reform	 To help achieve the Government Pastoral Lands Reform initiative, based on the same principles used for the world leading fisheries management, the WA Government is implementing a risk-based <i>Framework for Sustainable Pastoral Management</i> . This Framework outlines the governance systems needed to achieve acceptable land condition, biosecurity and animal welfare outcomes to be achieved to meet ecologically sustainable development principles. Full implementation of the Framework has begun through development of explicit land condition standards, quantitative monitoring methods and comprehensive ESD based risk assessments for each rangelands region. Land condition assessments on pastoral leases will be completed on a selection of leases each year with the proportion of pastoral leases with acceptable land condition to become a key performance indicator.	Primary Industries Plan 2020-24	 
Transformative Farming Systems	Western Australia is committed to sustainable food protection initiatives with respect to the development of transformational farming systems including soil and crop nutrition, genetic improvement, agronomy optimisation, crop protection, regenerative practices and pastoral land reform. Amelioration techniques and crop breeding programs are supported to promote the efficient use of water and nutrients by crops, as well as the development of effective on-farm management strategies, farming systems and pest, weed and disease management. In addition to Pastoral Lands Reform initiative, Regenerative agriculture practices that minimise damage to the environment are also being supported by the WA government through documentation of farmer experiences and lessons learned through the <i>Future Farming Systems for the Eastern Wheatbelt long term project</i> .	Primary Industries Plan 2020-24	 
Aboriginal Pastoral Academy	 The WA Government is committed to improving economic outcomes for young Aboriginal people, with the goal of a successful training program designed to support career pathways for young Aboriginal people in the pastoral industry. The program's success has been demonstrated by offers of employment and commitment to complete additional training. It is planned that the pilot Aboriginal Pastoral Academy will be developed into a broader program.	Aboriginal Empowerment Strategy	 
Natural Flies for Crop Pollination	 Various stresses on honeybees, including climate change means researchers are looking at different insects and new methods to pollinate commercial crops to help meet horticulture needs, including identifying natural crop pollinators. The 'Managing Flies for Crop Pollination' is a collaborative project between the WA Government, major universities and industry, undertaking research specifically targeting native fly species to determine if they are effective pollinators for commercial avocado, berries (blueberry, raspberry and strawberry), hybrid carrot seed and brassica seed crops, mango and lychee.	Primary Industries Plan 2020-24	 



SELECTED INITIATIVES IN PROGRESS BY SDG



2 ZERO HUNGER



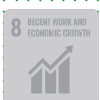
END HUNGER, ACHIEVE FOOD SECURITY AND IMPROVED NUTRITION AND PROMOTE SUSTAINABLE AGRICULTURE



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGs
Carbon neutral agriculture demonstration project and certification scheme	 The WA Government supports livestock producers and the wider industry in taking mitigating action towards achieving carbon neutrality by 2030. This will be achieved through showcasing carbon pollution reduction options at the DPIRD Katanning Research Facility as a Carbon Neutral 2030 demonstration farm, providing a training program to support carbon reduction by producers, and providing education and improved technologies through a co-ordinated program of research and development. Target outcomes include a detailed audit for sheep and beef and identification of priority areas in Western Australian production systems by May 2022, development of a training and support package for producers by June 2022, and the development of a demonstration farm for new technologies by June 2023.	WA Climate Policy	 
State Soil Health Strategy	After the re-establishment of a Soil and Land Conservation Council in October 2019, WA is working towards a State Soil and Health Strategy to underpin sustainable agricultural production, and economic and employment growth. In May 2020, a discussion paper was released to engage with a broad range of stakeholders, determining goals, principles and key actions for the Strategy. A draft Soil Health Strategy was released for wider consultation and feedback, with a final version to be released in December 2021.	Primary Industries Plan 2020-24	 
WA Grains Industry Expansion	Australia is food secure, being a significant net exporter of agricultural production of which Western Australia's \$5 billion grains industry is a significant contributor. With over 80% of production exported, Western Australia plays an important role in the increasing challenge of global food security – and is part way through a 10 year strategy aiming to double its productive capacity.	Primary Industries Plan 2020-24	 
Grains Research and Development	 The WA Government plays a major role in providing national leadership and support across key research and development priorities, including producing more grains from less rain by addressing the current challenges of a drying and warming climate. Other challenges include the increasing prevalence of frosts, weeds, pests and diseases, and delivering consumer and market expectations for sustainably produced safe and healthy food from a profitable crop production system. Supported by the newly established Grains Research Precinct – a partnership with two WA Universities including a world-first solar glass greenhouse – provides collaboration between key stakeholders to accelerate scientific advancements for sustainable grains production in Western Australia.	Primary Industries Plan 2020-24	 



SELECTED INITIATIVES IN PROGRESS BY SDG



3 GOOD HEALTH AND WELL-BEING



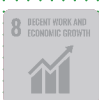
ENSURE HEALTHY LIVES AND PROMOTE WELL-BEING FOR ALL AT ALL AGES



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGs
Community Sporting and Recreation Facilities Fund	 <p>The WA Government is committed to building a sense of community as well as supporting people staying fit and active. The Fund supports programs aimed at increasing participation in sport and recreation with an emphasis on physical activity and well-being through development of sustainable, good quality, well-designed and well-utilised facilities. A focus is to provide opportunities for all members of the community with access to facilities and spaces, including people with disability or from low socio-economic backgrounds. Since 2010, \$12 million per year has been allocated to qualifying facilities development.</p>	State Public Health Plan	 
Air Pollution Control Programs	<p>The Perth Air Quality Management Plan (AQMP) is a whole of government plan aimed at improving and maintaining Perth's air quality. Short and long-term actions in the Perth AQMP address a variety of issues through eight key initiatives: land use and transport planning; vehicle emissions management; health effects research and indoor air quality; monitoring and modelling; industrial emissions management; small to medium enterprise emissions management; haze reduction; and smoke management.</p> <p>Previous actions include the CleanRun and BurnWise programs to reduce emissions from vehicles and domestic home heating respectively. Ongoing monitoring is performed to regulate emissions from industrial premises through works approvals and licences to control emissions of the criteria pollutants.</p>	Perth Air Quality Management Plan	 
School Breakfast and Nutrition Education Program	 <p>The WA Government funds this program delivered by Foodbank WA and undertakes yearly independent evaluation reports for continual improvement. The program supplies healthy breakfasts and emergency meals to students in need together with nutrition education programs with the aim to improve the nutrition and well-being of children who are vulnerable to poor diet and health by improving access to a variety of healthy foods, learning and cooking skills in schools. In 2020, 416 schools registered for the program with more than 95% reporting improved attitudes towards healthy eating and knowledge about food and nutrition.</p>	State Public Health Plan	 
Regional Men's Health Initiative	 <p>The successful Regional Men's Health Initiative (RMHI) program has been operating since 2002 and aims to empower men in rural and remote regions of Western Australia. It focuses on improving the health and well-being of men by advocating positive change, increasing community awareness, empowering through support networks and providing support mechanisms for men, families and communities in crisis and affected by traumatic events. RMHI has provided valuable input in the development of state-wide initiatives such as the Think Mental Health campaign and the Western Australian Men's Health and Well-being Policy.</p>	WA Men's Health and Well-being Policy	 
Mental Health Co-Response Program	<p>The Mental Health Co-Response Program (MHCR) was first implemented as a trial in metropolitan Perth in January 2016 in response to increased demand on Western Australia Police Force Officers to attend and manage incidents involving a mental health element. The program is the first of its kind in Australia and enables Police and mental health clinicians to share information and jointly attend crisis situations where mental illness is identified as a likely factor. The program has since been expanded to cover the whole Perth metropolitan area.</p>	WA Mental Health, Alcohol and Other Drugs Plan 2020-2024	 



SELECTED INITIATIVES IN PROGRESS BY SDG
















3 GOOD HEALTH AND WELL-BEING



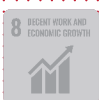
ENSURE HEALTHY LIVES AND PROMOTE WELL-BEING FOR ALL AT ALL AGES



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGS
Commitment to Aboriginal youth well-being	 Focusing on improving the outlook for young Aboriginal people and to significantly reduce Aboriginal youth suicide – the WA Government has made a significant commitment to Aboriginal youth well-being. This is supported through an initial \$266 million funding package to implement measures that focus on community and youth empowerment, support for remote communities, youth well-being, justice, education, and cultural connection.	<u>Aboriginal Empowerment Strategy</u>	 
WA Recovery College	 This state-wide initiative which commenced in September 2020 provides courses and education throughout Western Australia to enhance recovery and improve mental health and well-being. The college is a unique partnership of non-government organisations including people who have been through a recovery journey before, to enable those accessing the college to learn from their lived experiences and the understanding of peers.	<u>WA Mental Health, Alcohol and Other Drugs Plan 2020-2024</u>	 
Electronic Medical Record System	The WA Government has committed \$8.1 million toward the establishment of a state-wide Electronic Medical Record System (EMR) that will improve safety, efficiency and patient experience. The EMR will use state-of-the-art technology to create a linked digital environment, enabling clinicians to view patient notes, assessments, medical histories and diagnostic test results all in one place - greatly assisting their ability to make safe and informed decisions. The EMR will also establish an important foundation for future digital growth and clinical innovation within the health system.	<u>WA Health Digital Strategy 2020-2030</u>	 
WA Country Health Service (WACHS) Command Centre	 Inaugurated in 2019, the WACHS Command Centre builds on the success of the award winning Emergency Telehealth Service and brings together emergency and specialty services in a 24/7 virtual clinical hub staffed by a dedicated specialist clinical workforce to support country doctors and nurses in the care of their patients, improving outcomes and keeping care close to home. Introduction of the Acute Patient Transport Coordination Service, expansion of acute specialist services and development and integration of technologies for the Advanced Patient Monitoring System are expected in 2021.	<u>WA Health Digital Strategy 2020-2030</u>	 
WA Health Promotion Campaigns	 The WA Government has successfully run a number of evidence-based, targeted health campaigns that have supported the community to increase mental health and well-being, and reduce alcohol, tobacco and other drug related harm. The Mental Health Commission was recognised at the 2020 Campaign Brief awards for its successful advertising campaigns Think Mental Health; Alcohol, Think Again and Drug Aware. Other WA Government health promotional campaigns focus on nutrition, obesity, physical activity and injury prevention.	<u>Sustainable Health Review</u>	 



SELECTED INITIATIVES IN PROGRESS BY SDG


















4 QUALITY EDUCATION



ENSURE INCLUSIVE AND EQUITABLE QUALITY EDUCATION AND PROMOTE LIFELONG LEARNING OPPORTUNITIES FOR ALL



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGS
Sustainable Schools Western Australia	 Sustainable Schools Western Australia is a framework for whole-school planning regarding Education for Sustainability. The framework ensures students understand the global challenges regarding climate change, environmental impact and sustainability and their ability to take action to reduce harmful environmental impacts in creating a more sustainable world for the future.	Building on Strength	 
School Virtual Power Plants pilot	 Western Australian schools are leading this innovative \$4 million project that will transform selected schools into smart, green, Virtual Power Plants (VPP) by providing solar panels and batteries that will enable schools to store excess energy for later use, which will assist with grid stability. The project also provides learning opportunities for students to acquire new skills in understand the benefits of renewable energy and new technologies. The \$4 million investment forms part of the WA Government's \$66 million renewable energy technologies package from the Western Australia Recovery Plan, which will boost innovative, clean energy projects throughout the State.	Energy Transformation Strategy	 
Future Skills and Pathways	 The Future Skills and Pathways Plan is designed to ensure young people are prepared for the future world of work by encouraging new approaches to vocational education and training, career development, the building of work capabilities and Science, Technology, Engineering, and Mathematics (STEM) learning, as well as developing strong, durable partnerships with industry. The plan addresses the future need to build essential STEM skills and new world capabilities to succeed in a dynamic and ever changing workforce, and addresses the economic impact caused by COVID-19 on youth. The ongoing program endeavours to improve the participation rate and retention rate of public school students through to increased university entry achievement rate.	STEM Skills Strategy	 
Gifted and Talented Selection Unit	 The Gifted and Talented Selection Unit provides programs at public secondary schools to ensure that inclusive and quality education is offered to exceptionally able students. The programs are geared toward providing environments that challenge, inspire and empower, and provide access to universities, industry bodies and mentoring programs. The key outcome is to raise the level of student achievement.	Building on Strength	 
Independent Learning Coordinators	 The WA Government has appointed Independent Learning Coordinators in regional schools to help students undertake courses through the School of Isolated and Distance Education (SIDE). The program helps increase the number of students in regional areas meeting university entrance requirements by providing access to expert visiting teachers.	Building on Strength	 



SELECTED INITIATIVES IN PROGRESS BY SDG



4 QUALITY EDUCATION



ENSURE INCLUSIVE AND EQUITABLE QUALITY EDUCATION AND PROMOTE LIFELONG LEARNING OPPORTUNITIES FOR ALL



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGS
Speech and Language Outreach Service	 The State-wide Speech and Language Outreach service provides targeted advice and support for teachers of students in the early years identified with possible language difficulty or delay. The program supports teachers to implement early intervention strategies, leading to a marked improvement in student literacy.	<u>Building on Strength</u>	 
Diversity Focused Mathematics and Numeracy Support	Mathematics and numeracy support is provided through targeted professional learning, advice and resources for teachers and school leaders. Support focuses on the design and delivery of inclusive curriculum based teaching and learning plans, through evidence based pedagogical practices that cater for student diversity. The support is designed to improve student capacity to use and apply mathematics across learning areas to problem solve and adopt critical and creative thinking strategies. Student outcomes are measured through State and National assessments, across various student ages.	<u>Building on Strength</u>	 
Intensive English Centres	 Intensive English Centres (IECs) provide access to students in the early stages of learning Standard Australian English and provide a differentiated curriculum to support additional language acquisition for up to two years. The 14 IECs accelerate learning of Standard Australian English by students from diverse language backgrounds and improve literacy as measured by IEC school reports.	<u>Building on Strength</u>	 
Two-way Science Initiative	The Two-way Science Initiative supports schools to build partnerships with local Aboriginal communities to develop integrated culturally responsive learning programs that connect Aboriginal knowledge with the Science Curriculum.	<u>STEM Skills Strategy</u>	 
STEM Enterprise Schools	The STEM Enterprise Schools project supports the delivery of STEM professional learning and mentoring to teachers in public schools with a mid to low index of socio-educational advantage. The whole-of-school approach benefits include an increase in STEM enterprise capability, engagement, participation and aspirations of learners in Western Australian public schools, as well as an increase in interest and success of under-represented groups to enter into STEM careers.	<u>STEM Skills Strategy</u>	 
Preparing Students for Futures in Australian Primary Industries (PRIMED)	 Preparing Students for Futures in Australian Primary Industries (PRIMED) is a project to showcase the diversity of careers across agriculture, fisheries, fibre, forestry and food sectors to thousands of Western Australian secondary school students. Supported by a \$5 million funding package over 5 years, PRIMED provides a connection between primary industry and the education system to address future education and skills needs for the growing sector and exposes students to innovative agriculture careers, cutting edge agricultural technology as well as caring for the land.	<u>STEM Skills Strategy</u>	 



SELECTED INITIATIVES IN PROGRESS BY SDG














4 QUALITY EDUCATION



ENSURE INCLUSIVE AND EQUITABLE QUALITY EDUCATION AND PROMOTE LIFELONG LEARNING OPPORTUNITIES FOR ALL



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGS
Aboriginal languages delivery in schools	 This program combines Aboriginal language teacher training, second language teaching methodology and the development of resources for the teaching of Aboriginal languages. Aboriginal languages are part of Australia's rich linguistic and cultural heritage being taught in Western Australian schools for over 20 years and offering 22 Aboriginal languages. The teaching of Aboriginal languages enhances the identity, self-esteem and engagement of Aboriginal students and positively incorporates Aboriginal knowledge within the mainstream curriculum.	<u>Aboriginal Empowerment Strategy</u>	 
STEM Skills Strategy	 A key WA Government priority is to ensure students have the right skills for the jobs of the future and also to reskill the current workforce to ensure WA can address the social and environmental challenges of tomorrow. WA's State STEM Skills Strategy, launched in 2019, aims to ensure that everyone can develop the skills to embrace a technological future. This comprehensive strategy also focuses on establishing the right environment to attract currently under-represented groups to STEM disciplines, in particular women and Aboriginal people. Initiatives include professional learning programs for more than 1,000 teachers in lower socioeconomic public schools and a STEM communication campaign, which are already underway as well as mentoring programs, and a digital and technology skills grant program.	<u>WA Science and Innovation 2018-2022</u>	 
Scitech	 Scitech is Western Australia's premier science centre, delivering community programs to develop STEM awareness and interest, and prepares the workforce with the skills required for jobs of the future. Scitech delivers its activities through exhibitions, regional tours and teacher development programs engaging around 500,000 Western Australians each year. The WA Government has funded Scitech, which was established in 1988, with current funding of \$34 million over four years.	<u>STEM Skills Strategy</u>	 
Western Australian International Education Recovery and Renewal Plan	 In December 2020 the WA Government released the plan to ensure students studying with Western Australian providers continue to experience high quality education and training in a nurturing learning environment. This plan includes a number of initiatives and actions that are being implemented to provide ongoing support to the sector and safeguard international student health and well-being. For example, the delivery of well-being and community engagement support programs to Western Australia's remaining onshore international students and the establishment of a fund to support providers in expanding or maintaining their online education and training activities.	<u>Diversify WA</u>	 



SELECTED INITIATIVES IN PROGRESS BY SDG



5 GENDER EQUALITY



ACHIEVE GENDER EQUALITY AND EMPOWER ALL WOMEN AND GIRLS



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGs
One Stop Hubs	Two One Stop Hubs were launched in December 2020, designed to make it easier for victims of family and domestic violence by providing a range of specialist services in one location to deliver an integrated service supporting the WA Government's commitment to keeping women and their children safe. Services include alcohol and other drug, mental health, housing, parental, financial, legal, family and domestic violence support. Implementation of the hubs represents important progression of the First Action Plan of the WA Government's strategy to reduce family and domestic violence.	WA Strategy to Reduce Family and Domestic Violence 2020-2030	
OnboardWA	OnBoardWA is an online platform encouraging diverse representation of gender on WA Government boards and committees and hosts a range of resources to assist those interested in applying to available positions. Since its launch in September 2017, together with the WA Government target to reach gender parity in Government boards and committees by 2019, the representation of women has increased from 43% to reach the 50% target by mid-2019 which has been maintained since.	WA Plan for Gender Equality	
Western Australian Respectful Relationships Teaching Support Program	A primary prevention program supporting the development of skills to build positive, respectful relationships, in school communities, characterised by non-violence, equality, mutual respect, consideration and trust. The program is aimed at producing generational change and entrenching positive social norms as it addresses the national plan to reduce violence against women and their children.	Path to Safety: WA Family and Domestic Violence Reduction Strategy	
Aboriginal Ranger Program	This program helps Aboriginal organisations employ and train rangers to undertake land and sea management including conservation, cultural, tourism and educational activities across the State. Funded projects are Aboriginal-led with input from Elders, with benefits returning directly to communities. A key focus is also to provide employment opportunities to Aboriginal women, with the first round of \$20 million in funding resulting in almost half of the rangers being women engaged across a wide range of projects. A further \$50 million has been committed to this program.	Aboriginal Empowerment Strategy	
Women and Babies Hospital	The WA Government has committed \$1.8 billion to build a new world-class Women and Babies Hospital for which the planning process has commenced. The proposed 105,000 square meter footprint will include new obstetric and birthing suites and a full array of specialist services to ensure the best possible care is provided to women and newborns across the state.	Sustainable Health Review	



SELECTED INITIATIVES IN PROGRESS BY SDG



5 GENDER EQUALITY



ACHIEVE GENDER EQUALITY AND EMPOWER ALL WOMEN AND GIRLS



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGs
Increase participation of Women in STEM	A range of initiatives are in progress to raise awareness and provide greater opportunities for women and girls in STEM career paths. Examples include targeted projects in schools to encourage more young girls to consider a career in STEM, scholarship programs to support women undertake mentoring in STEM, as well as awards to celebrate female role models in STEM.	WA Plan for Gender Equality	
Grants for Women Program	Launched in August 2020, the program provides funding to support initiatives that address the unique issues faced by women. The program targets new projects expected to drive better outcomes for women in key areas of safety, well-being, economic independence and leadership.	WA Plan for Gender Equality	
Increase participation of Women in non-traditional trades	The program provides financial incentives to group training organisations to employ and support female apprentices and trainees in traditionally male dominated roles such as electricians, automotive mechanics and construction. The program incentivises women to gain technical and practical skills with the goal of facilitating greater participation in the job ready workforce.	WA Plan for Gender Equality	
Culturally Secure Maternity Services for Aboriginal Women	A review of maternity care provision for Aboriginal women in Western Australia is being undertaken to understand current services and inform the development of culturally safe and secure maternity care services for Aboriginal women and their families.	WA Plan for Gender Equality	



SELECTED INITIATIVES IN PROGRESS BY SDG



6 CLEAN WATER AND SANITATION



ENSURE AVAILABILITY AND SUSTAINABLE MANAGEMENT OF WATER AND SANITATION FOR ALL

SUSTAINABLE DEVELOPMENT GOALS

SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGs
Aboriginal communities water service upgrades	 Planning has commenced to improve water services in Aboriginal communities across regional Western Australia. \$62 million has been committed to upgrade water and wastewater infrastructure to deliver high quality drinking water and improve liveability outcomes. Responsibility for ongoing infrastructure management will also be centralised to ensure all communities have access to safe and reliable water services that maintain required quality standards.	Aboriginal Empowerment Strategy	 
Wastewater Treatment	 The WA Government is committed to develop a robust and sustainable water future, and a key component is through sophisticated wastewater treatment practices. 113 treatment plants are operated across the State and are critical in helping to ensure the climate resilience, liveability and sustainability of Western Australia. Innovative solutions addressing climate change impacts include using resource recovery to produce recycled water, biosolids and biogas.	Waste Avoidance and Resource Recovery Strategy 2030	 
Increasing recycled water	A steadily increasing amount of recycled wastewater is being reused in various ways such as for groundwater replenishment that results in potable supply, irrigation of sporting grounds, public open spaces, industrial processes and expanding water supply for agricultural irrigation in regional areas. Over the last decade Western Australia has increased the total volume of recycled water by almost 70%, with over 70 recycling schemes in operation across the State, and has set ambitious targets to recycle 30% of wastewater by 2030.	State Water Recycling Strategy	 
Local Government Waterwise Council Program	 This program, established in 2009, aims to build a cooperative working relationship with local governments to improve water use efficiency and adopt water sensitive cities concepts in their operations and communities. The opt-in program for local governments in Western Australia provides education, training, materials and funding opportunities to improve water efficiency and build waterwise communities. A major milestone was reached in 2020 with 100% of metropolitan local governments endorsed as waterwise Councils and providing innovation and leadership to promote the valuable role of water in creating liveable, vibrant and healthy communities.	Waterwise Perth Action Plan	 
Groundwater Replenishment Scheme	 Perth's groundwater system remains vital to meeting Western Australia's water needs, making up 39% of the Integrated Water Supply Scheme, but is under pressure due to climate change and increasing demand. To secure the supply and protect lakes and wetlands, the WA Government has committed to the Groundwater Replenishment Scheme. Part of the scheme has seen the construction of a new Advanced Water Recycling Plant completed in 2017. Stage two of the initiative, which will double capacity, is now underway with a second Advance Water Recycling Plant and 13 km of pipeline to be constructed and is expected to be fully operational by the end of 2021. The scheme will see the volume of water replenished into aquifers markedly increase.	Our Groundwater Future in Perth	 



SELECTED INITIATIVES IN PROGRESS BY SDG











6 CLEAN WATER AND SANITATION



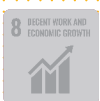
ENSURE AVAILABILITY AND SUSTAINABLE MANAGEMENT OF WATER AND SANITATION FOR ALL



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGs
Water Research and Innovation Precinct	 <p>Launched in 2019, the Water Research and Innovation Precinct is a dedicated hub to pilot technologies to recycle and sustainably treat wastewater. Collaboration with private industries and universities aims to reduce greenhouse gas emissions, minimising the use of chemicals, increasing the recovery of water and nutrients, and increase efficiency of wastewater treatment processes. Innovative technologies are tested before being developed further if proven successful, such as the world-first Woodman Point \$30 million project to turn biogas from wastewater into renewable hydrogen and graphite. The three-year pilot is underway to produce around 100 tonnes of renewable hydrogen and 380 tonnes of graphite per year which has potential industrial applications such as the production of lithium-ion batteries, water purification and advanced materials.</p>	WA Science and Innovation Framework	 
Waterwise Business Programs	 <p>The WA Government is providing a suite of non-residential programs designed to encourage collaboration with industry and communities to reduce demand on water sources and embed liveable and sustainable water sensitive concepts. The programs have helped save over 110 GL of water since 2007, contributing to the achievement of a 32% reduction in per capita consumption within the Greater Perth area over the past two decades.</p>	Waterwise Perth Action Plan	 
Regional Water Infrastructure	<p>In 2020, \$968 million was allocated to new water infrastructure projects and upgrades to existing facilities across regional areas. A key goal of this four year development program is to increase the water security and reliability in regional areas and expand the rate of water recycling through more effective treatment of wastewater.</p>	WA Climate Policy	 



SELECTED INITIATIVES IN PROGRESS BY SDG



7 AFFORDABLE AND CLEAN ENERGY



ENSURE ACCESS TO AFFORDABLE, RELIABLE, SUSTAINABLE AND MODERN ENERGY FOR ALL



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGs
Energy Efficiency Rebates	The WA Government is seeking to positively influence the sustainability of the built environment, and to support the transition to a low carbon future in the property development industry. When releasing land in selected projects, the State seeks to influence building design and initiatives through mandatory and recommended/ best practice criteria in design guidelines, or by providing incentives such as rebate packages that include renewable energy or energy efficiency measures. Energy efficiency rebates have been provided to customers on some projects for more than 10 years. A key indicator of success is that 87% of lots developed through the WA government land development agency in 2020-21 had energy management initiatives beyond compliance (458 of 526 lots sold).	WA Climate Policy	
Renewable Energy for Sport and Community Infrastructure	The WA Government has committed \$300 million to create strong communities, increase participation for local sporting organisations and provide safe infrastructure. Projects include building new sports and community infrastructure, retrofitting venues to become more accessible, safer and sustainable, with a focus on renewable technology to reduce energy costs.	Energy Transformation Strategy	
Electric Vehicle Charging Infrastructure Network	Planning has commenced to create Australia's longest electric vehicle charging infrastructure network facilitating travel north from Perth to Kununurra (3,200 km), along the South-West coast to Esperance (1,000 km), and east to Kalgoorlie (400 km). The network will enable fast charging stations along major travel routes in the regions, towns and tourism sites.	WA Electric Vehicle Strategy	
Solar Schools Program	Commencing in December 2020, the WA Government's \$5 million program will provide rooftop solar systems in 30 regional and remote schools. Energy is a significant expense for schools and this program will allow each school to save around 27% on electricity costs while reducing greenhouse gas emissions by more than 2,000 tonnes per year. The program will also allow students and teachers to acquire new skills in STEM areas such as solar technology currently being trialled under the School Virtual Power Plants project.	Energy Transformation Strategy	
Distributed Energy Buyback Scheme	The WA Government is offering payments to residential households, not-for-profit enterprises and businesses in the education sector for electric energy exported into the grid (including from eligible home batteries and electric vehicles). This energy buyback scheme is intended to support uptake of renewable energy with battery systems and electric vehicles.	Energy Transformation Strategy	



SELECTED INITIATIVES IN PROGRESS BY SDG



7 AFFORDABLE AND CLEAN ENERGY



ENSURE ACCESS TO AFFORDABLE, RELIABLE, SUSTAINABLE AND MODERN ENERGY FOR ALL



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGS
Household Energy Efficiency Scheme	 The Household Energy Efficiency Scheme will provide assistance to households experiencing hardship by reducing energy costs through the identification and implementation of energy saving measures that enhance energy efficiency. \$13 million has been allocated for a number of small scale pilot programs that will commence in the second half of 2021 and will inform how the program can be scaled up to help around 10,000 households across Western Australia over the next four years.	Energy Transformation Strategy	 
SWIS Big Battery	The WA Government has awarded a \$155 million contract (with a \$15 million contribution from the Australian Government) for the construction of a 100 MW/200 MWH battery in the South-West Interconnected System (SWIS). The battery will be operated by the WA Government and will help stabilise the electricity system by absorbing fluctuations caused by renewables on the grid. The site will be bigger than 20 tennis courts, with space to expand the battery's power and energy capacity if required in the future. Construction will begin in November 2021 with the battery expected to be operational by the end of 2022.	Energy Transformation Strategy	 
Standalone Power Systems	 An initial \$203 million has been allocated to replace traditional poles and wires infrastructure vulnerable to climate-related events with Standalone Power Systems (SPS) across regional areas and isolated customers. More than 1,000 of these solar and battery based SPS units will be installed within the next five years, providing more reliable, lower-emissions electricity to customers without the need to be connected to the overhead electricity network. The rollout program, which is planned to be increased to 6,000 units over the next 30 years, will also significantly reduce bushfire risks and costs of maintaining long transmission lines.	Energy Transformation Strategy	 
Improving Access to Electricity Network	 Regulatory reform to facilitate more equitable and efficient use of capacity on the SWIS, enabling any number of new electricity generation sources to supply to the network, where previously large entry costs were involved. With most new generation projects being from renewable sources, this has removed a significant barrier to changing the existing generation mix in Western Australia which has predominantly been coal and gas generation.	Energy Transformation Strategy	 
PowerBank Community Battery Storage Trial	 Continuing on the WA Government's successful Australian-first trial to install community batteries, this program has been extended to integrate bulk solar battery storage into the existing grid while also providing customers with an option to virtually store their excess rooftop solar energy without paying the up-front cost of their own battery system. This innovation is expected to further increase the already extensive use of rooftop solar in Western Australia.	Energy Transformation Strategy	 
Energy Storage in Regional Towns	 As hosting capacity is currently constrained in a number of regional towns, customers are unable to install rooftop solar systems to lower their energy bills. This \$30 million project has commenced deployment of battery storage systems in nine towns. These systems will increase local hosting capacity allowing more customers to connect new or modify existing rooftop solar systems.	Energy Transformation Strategy	 



SELECTED INITIATIVES IN PROGRESS BY SDG


















7 AFFORDABLE AND CLEAN ENERGY



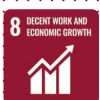
ENSURE ACCESS TO AFFORDABLE, RELIABLE, SUSTAINABLE AND MODERN ENERGY FOR ALL



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGs
Aboriginal Communities Embedded Networks	 Commencing in 2021, this initiative seeks to standardise the electricity supply, future operations and maintenance of 13 Aboriginal communities across regional Western Australia. This two year program of work will upgrade existing infrastructure as required, transfer ownership (poles and wires or underground cables) and ongoing responsibility to the WA Government owned network.	Aboriginal Empowerment Strategy	 
Remote Communities Centralised Solar	This program, which commenced in 2020, aims to install hundreds of kilowatts of solar and battery energy storage systems in six remote Kimberley communities. The program will reduce carbon emissions by more than 2,000 tonnes each year and reduce the cost of providing power to these towns which is currently 100% diesel.	Energy Transformation Strategy	 
Denham Hydrogen Project	 Work has begun on Australia's first community hydrogen power plant, providing an innovative and renewable alternative to the use of diesel in a regional area. A 704kW solar farm, 348kW hydrogen electrolyser and a 100kW fuel cell will generate enough renewable hydrogen to power 100 residential homes. Similar projects have the potential to be implemented across the State to help decarbonise the future of the electricity supply chain.	WA Renewable Hydrogen Strategy	 
Solar, Energy Storage and LED Streetlights for Regional Hospital and Town	 Progress is underway to complete installation of rooftop solar systems and a renewable energy smoothing battery at Derby Hospital and community buildings, as well as upgrading conventional streetlights to energy efficient smart LED units. The project will reduce greenhouse gas emissions by more than 900 tonnes per year and provide significant savings and improved security.	Energy Transformation Strategy	 
Solar on Public Transport Installations	This program is a \$1.8 million investment to roll out solar panels across more than 50 train and bus stations across the Perth metropolitan area. This represents a significant step towards increased use of renewable energy for the public transport system, powering station lighting, ticket machines, signage, driver facilities, lifts and escalators.	WA Climate Policy	 
School Clean Energy Technology Program	This program, backed by a four year funding commitment of \$45 million will commence in 2022 and involve the installation of new energy technologies in Western Australian public schools including more rooftop solar systems, Virtual Power Plants and implementing a range of energy efficiency measures. This investment demonstrates the WA Government's commitment to installing new clean technologies and reducing carbon emissions in public schools, and expands on the existing commitment to the Solar Schools Program for 30 schools and the trial Virtual Power Plant battery. It will not only help schools save on their bills and lower carbon emissions, but also teach students about energy efficiency and contributing to environmental sustainability.	Energy Transformation Strategy	 



SELECTED INITIATIVES IN PROGRESS BY SDG












8 DECENT WORK AND ECONOMIC GROWTH



PROMOTE SUSTAINED, INCLUSIVE AND SUSTAINABLE ECONOMIC GROWTH, FULL AND PRODUCTIVE EMPLOYMENT AND DECENT WORK FOR ALL



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGs
Green Jobs Plan	 <p>The WA Government has invested \$60 million with the intention to create more than 1,000 conservation jobs on environmental projects over the next three years. The plan supports Aboriginal employment and provides significant opportunities for young people and unskilled workers to enter emerging green industries. The plan also supports and strengthens existing conservation industries as well as laying the foundation for jobs of the future.</p>	WA Climate Policy	 
Contracting with Aboriginal Businesses Target	 <p>In 2018, the government implemented the Aboriginal Procurement Policy to support growth in the Aboriginal business sector by setting mandatory targets in contract allocation to drive change in government procurement practices. In the first 30 months of the policy's application (1 July 2018 – 30 December 2020), 175 unique Aboriginal businesses have been successful in winning 533 contracts totalling more than \$379 million. Regionally based Aboriginal businesses have shown strong performance winning 58% of the 533 contracts. Due to its success, the policy was extended for a further 3 years to continue to provide new opportunities to Aboriginal businesses with the contracting target being 3% in 2021-22, 3.5% in 2022-23 and 4% in 2023-24.</p>	Aboriginal Empowerment Strategy	 
Western Australian Disability Enterprises	 <p>Australian Disability Enterprises (ADEs) offer opportunities to people with disabilities to engage in a wide variety of work tasks to earn a wage and contribute to and connect with their local community. ADE employees gain training and experience to step into open employment or to continue in supported employment, where Western Australian Disability Enterprises (WADEs) employ over 2,200 people with a disability.</p> <p>In recognition of these benefits and the potential for government procurement to improve the employment prospects of people with disabilities, WA Government agencies may engage with ADEs directly, without undertaking a competitive procurement process. The procurement rules, and previous procurement policies, embed this initiative into the WA Government's procurement framework. Since 2010, WA Government agencies have awarded 128 contracts valued at over \$67 million to the 8 WADEs.</p>	State Disability Strategy	 



SELECTED INITIATIVES IN PROGRESS BY SDG



8 DECENT WORK AND ECONOMIC GROWTH



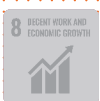
PROMOTE SUSTAINED, INCLUSIVE AND SUSTAINABLE ECONOMIC GROWTH, FULL AND PRODUCTIVE EMPLOYMENT AND DECENT WORK FOR ALL



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGS
Collie Industry Attraction and Development	<p>The WA Government has committed \$80 million to drive economic diversity in the South-West town of Collie as it transitions away from a dependence on coal and coal-fired energy production. This is being achieved through the establishment of the Collie Industry Attraction and Development Fund and the Collie Futures Fund, which are designed to target industry investments that can significantly expand and diversify the economic base.</p> <p>Key projects being implemented include a \$9 million waste recycling plant that will convert municipal solid waste and forestry waste into valued added products, facilitating the production of medical grade collagen, and developing a pilot plant to combine fly ash waste and other local resources into a low-carbon geopolymer product that could replace many standard concrete products.</p>	Collie's Just Transition Plan	 
Aboriginal Youth Training and Employment Pilot Programs	Two programs are being piloted to support implementation of Aboriginal employment and training recommendations from the Report on the <i>Review of Skills, Training and Workforce Development, June 2020</i> . One program will focus on supporting young Aboriginal jobseekers to enter the workforce by addressing their individual barriers to participation, and the other program will support the engagement of Aboriginal youth in education, training and/or employment through a 'caring for country-caring for self' program.	Commitment to Aboriginal Youth Well-being	 
Rottnest Island Management Plan 2020-2024	The Rottnest Island Authority will pursue opportunities for collaboration with the Whadjuk Noongar Traditional Owners in the management of the Island Reserve and surrounding waters. Key aspects involve identifying economic, social and cultural benefits for Traditional Owners from the future conservation and repurposing of the former Island prison, the Quod, to complement the memorialisation and interpretation of the Wadjemup Aboriginal Burial Ground.	Aboriginal Empowerment Strategy	 
Market-led Nature Based Tourism Opportunities	The WA Government has called for proposals for new tourism attractions, experiences and concepts for Western Australia's national and marine parks and conservation reserves, which include some of Western Australia's most eminent visitor destinations. This Problem and Opportunity Statement was released in August 2020 to encourage proponents to put forward ideas for new, high-quality tourism experiences. This aligns with the injection of \$150 million into the State's tourism industry including in national parks and reserves to upgrade tourism infrastructure, conserve the environment and help economic recovery.	Market-led proposals	 



SELECTED INITIATIVES IN PROGRESS BY SDG















9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



BUILD RESILIENT INFRASTRUCTURE, PROMOTE INCLUSIVE AND SUSTAINABLE INDUSTRIALISATION AND FOSTER INNOVATION



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGs
Renewable Energy Precinct at Peel Business Park	 The Peel Business Park is a large scale agri-business based industrial estate deploying a micro-grid to service the electrical power needs of its customers. The micro-grid will deliver reliable and low cost energy by harnessing the cost savings of local renewable energy generation, with excess energy being discharged into the local network via a grid-connection. The energy is currently produced through a 1 MW ground mounted solar farm, but as the park grows, rooftop solar generated on built form, will be used to power the micro-grid. Businesses locating in the park can expect cost saving of about 30% off their energy bills under this arrangement, in comparison to a typical grid connection. Peel Business Park is contributing to Western Australia's transition to net zero industrial estates.	WA Climate Policy	 
Renewable Hydrogen Precinct at Oakajee Strategic Industrial Area	 The Oakajee Strategic Industrial Area (SIA) has been selected by the WA Government as the site for a future deep water port and export orientated industrial area to service the Mid-West region. Oakajee is recognised for its world class wind and solar energy potential. Initial assessments show Oakajee SIA could provide up to 270 MW of wind generation and 1,250 MW of solar renewable energy with a consistently high renewable contribution to the daily load. An expression of interest for hydrogen export proposals was released in 2020-21, with 65 expressions of interest received from companies located across the globe.	WA Renewable Hydrogen Strategy	 
Western Green Energy Hub	 The Western Green Energy Hub has the potential to produce up to 50 GW of renewable energy to support green hydrogen and green ammonia production for both domestic use and export. It will be located in a 1.5 million hectare area in Western Australia's sparsely populated far South-East, being an ideal location due to the consistency of high winds and solar energy over a 24-hour period. The project would be a step towards delivering on the targets of the Western Australia Renewable Hydrogen Strategy and is underpinned by collaboration with the Traditional Owners, the Mirning people, who have an equity stake in the project consortium through the Mirning Traditional Lands Aboriginal Corporation.	WA Renewable Hydrogen Strategy	 
Asian Renewable Energy Hub	 The Asian Renewable Energy Hub is designed to generate up to 26 GW of renewable energy in the East Pilbara region (1,300 km NNE of Perth). This is equivalent to approximately 40% of total current generation in Australia, and over double that in Western Australia – therefore representing significant export capacity. Up to 3 GW of generation capacity will be dedicated to large energy users in the Pilbara region, which could include new and expanded mines and downstream mineral processing.	WA Renewable Hydrogen Strategy	 



SELECTED INITIATIVES IN PROGRESS BY SDG



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



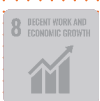
BUILD RESILIENT INFRASTRUCTURE, PROMOTE INCLUSIVE AND SUSTAINABLE INDUSTRIALISATION AND FOSTER INNOVATION



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGs
Innovation Fund to support Innovation through Demonstration	Introduced in 2016, this fund supports land and infrastructure innovation projects which address key development industry challenges and opportunities, for projects that can be replicated by government or the private sector. The Fund supports the WA Government's focus on affordable housing and living, design excellence, waterwise development, energy transition and environmental asset protection. Recent successful projects include the residential Smart Sun Pilot, a three year trial involving virtual power plant with co-ordinated rooftop solar panels, battery, inverter and 'smart' appliances which allowed participants to track their energy usage via a mobile app. The trial concluded with participants seeing a reduction of up to 70% on their annual electricity bills. The fund continues to add new projects, with 40 projects in the innovation pipeline at 30 June 2021.	WA Climate Policy	
Ag-tech Weather Services	In a drying climate, it is critical to provide information to assist growers and agribusiness to manage seasonal conditions and their consequences. The WA Government provides data and information on seasonal weather through its network of automatic weather stations, Doppler radars and seasonal climate forecasts through the Statistical Climate Information system. This is supported through the eConnected project , which also provides support to ag-tech decision making tools for growers.	Primary Industries Plan 2020	
PreCursor Cathode Active Materials Investment Incentive	The WA Government has committed \$13 million to incentivise investment by a global manufacturer in a precursor cathode active materials project to provide local jobs, contribute to skill development and economic diversification. This project aligns with the WA Government's commitment within Diversify WA to become a world-leading sustainable and diversified energy supplier, and explore opportunities to become a key player in the future global battery supply chain.	WA Future Battery and Critical Minerals Industries Strategy	
ATCO Hydrogen Refueller Project	The WA Government announced an allocation of \$1 million in August 2020 to develop, deploy and operate the first green hydrogen refuelling station in Western Australia. The station will provide a combined hydrogen production and refuelling facility for vehicles capable of utilising hydrogen as the primary fuel source. The refueller will fill a hydrogen vehicle's tank in less than five minutes, allowing it to travel up to 500 km emissions-free. The project is a key enabler to driving down the costs of refuelling infrastructure, and an opportunity to build the local skills and labour force required to support the hydrogen industry.	WA Renewable Hydrogen Strategy	



SELECTED INITIATIVES IN PROGRESS BY SDG





9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



BUILD RESILIENT INFRASTRUCTURE, PROMOTE INCLUSIVE AND SUSTAINABLE INDUSTRIALISATION AND FOSTER INNOVATION



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGs
Net Zero Emission Mining Challenge	 <p>The Net Zero Emission Mining Challenge is an approach to activate innovation in the mining industry and lower its carbon footprint through harnessing collective efforts, enabling decarbonisation to become an opportunity for the sector. Through a targeted program of minerals research and stakeholder engagement, the Challenge aims to deliver collaborative leadership and impactful research through a series of initiatives prioritising solutions to critical issues to achieving net zero emission mining. Initial focus areas include three major themes of data driven decisions, mining and processing technology, and energy utilisation. The Challenge formally commenced in mid-2021 with funding and capacity building opportunities underway, and an inaugural Net Zero Emission Mining WA Conference in October 2021.</p>	WA Climate Policy	 
Green Steel Challenge	 <p>This Green Steel Challenge aims to map the pathway to enable Western Australia to maximise use of its iron ore resources and emerging hydrogen and renewable energy potential to support global green steel ambitions, creating new markets and industries. The WA Government is investing funds to understand key enabling factors to establish a green steel industry in Western Australia, exploring existing and required regional attributes, future market dynamics, and policy, regulation and planning frameworks, as well as providing funding for minerals research to advance the required technological solutions.</p>	WA Climate Policy	 

10 REDUCED INEQUALITIES



REDUCE INEQUALITY WITHIN AND AMONG COUNTRIES



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGs
Liveable Design Housing	<p>The WA Government has committed to increasing the availability of housing designed in accordance with the national Liveable Housing Australia Guidelines to provide more housing options for people with disability. Projects for new and refurbished social and community housing currently in progress are helping progression towards an objective that 40% of all new builds in Western Australia adhere to Liveable Design standards by 2030, thereby significantly expanding the housing options and choices for people with disability.</p> <p>Since 2018, 721 homes have been constructed to meet the Liveable Silver requirements based on the seven core liveable housing design elements.</p>	WA Disability Strategy 2020-2030	
Accreditation of Aboriginal People as Teachers	<p>This initiative involves the development of nationally recognised qualifications based on the current Department of Education's Aboriginal Languages Teacher Training course that has been running across Western Australian public schools since 1998. The course provides schools with language teachers across a range of Aboriginal languages and culture programs. Achieving national accreditation will provide further education and employment pathways for Aboriginal students and Aboriginal educators.</p>	Aboriginal Empowerment Strategy	
Regional Learning Specialists	<p>Provide support to geographically isolated students through online fortnightly tutorials, face to face tuition and additional support such as study skills workshops. This provides a greater chance of success for students in remote regional areas qualifying for a pathway to university.</p>	Building on Strength	
KindiLink Program	<p>A 'Play and Learning' program to support Aboriginal and Torres Strait Islander children in communities with high levels of vulnerability. The program uses the evidence-based 'Abecedarian' approach and facilitates smooth transition to Kindergarten. This enables children to have the best start to their schooling and life-long learning journey.</p>	Building on Strength	
Child and Parent Centre Program	<p>22 Child and Parent Centres are operated throughout Western Australia to support local families with child development in communities with higher levels of disadvantage. The program increases the capability of families to provide home environments that support the development in mental domains, sustained engagement and success with schooling in young children. The centres provide early learning, child health services, parenting support, and well-being programs and services for local families. The purpose-built centres receive ongoing operational funding and facilitates collaboration across government and non-government sectors.</p>	Building on Strength	

10 REDUCED INEQUALITIES



REDUCE INEQUALITY WITHIN AND AMONG COUNTRIES



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGS
Culturally and Linguistically Diverse Early Years (CaLDEYLink)	The CaLDEYLink Project seeks to enhance the developing social, emotional, language and cognitive capabilities of culturally and linguistically diverse (CALD) children before they start school. The focus is to value, support and build on the capability and confidence of families as their child's first educator, and encourages the ongoing use of the families' home language, to support the child's continued development and learning, family connections and strength of culture. The program promotes the local school community as a safe and supported environment, which is particularly important for those families who have experienced a humanitarian migration journey and possible trauma. CaLDEYLink fosters productive, enduring relationships between the family, the school, and the school community.	<u>Building on Strength</u>	
Inclusive Education and Education Support Centres	The Western Australian Education system has a long and proud history of ensuring that children with disabilities receive the best possible support in their education journey. For the 85% of students with a disability choosing to attend mainstream school, this consists of specific resource allocations such as education assistants and / or integrated education support programs to ensure they can participate in learning on the same basis as their peers. Children with greater learning challenges have the possibility of attending specific education support centres (ESC). The ESC provide a safe environment with small class sizes and low teacher and education assistant to student ratios, enabling specific learning plans to be implemented for each student. In 2021 the WA Government provided 59 ESC across metropolitan and regional areas representing a funding commitment of \$214 million.	<u>Building on Strength</u>	
Aboriginal and Dual Naming Guidelines	The Aboriginal and Dual Naming Guidelines, launched in November 2020, provide a framework for naming Western Australian geographic features and places with Aboriginal names, to help preserve and reawaken local languages and resolve situations where existing place names are offensive or hurtful. Recent applications of the Guidelines include renaming Mount Misery to Bilbiljim in the Miriwoong language; renaming Lake Disappointment to Kumpupintil Lake in Martu language, and the naming of a new locality near Margaret River – Yebble – in honour of a local Noongar hero (who was also known as Mr Samuel Isaacs). Mr Isaacs was pivotal in a heroic rescue in 1876 where, together with Ms Grace Bussell, they rescued 54 passengers from the shipwrecked SS Georgette at Redgate Beach.	<u>Aboriginal Empowerment Strategy</u>	



SELECTED INITIATIVES IN PROGRESS BY SDG



10 REDUCED INEQUALITIES



REDUCE INEQUALITY WITHIN AND AMONG COUNTRIES



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGS
METRONET Aboriginal Engagement Strategy	 <p>The strategy represents Western Australia's long term commitment to embed genuine engagement with the Aboriginal community throughout the planning, design and delivery of the \$5.7 billion METRONET public transport program. Cultural and accessibility needs of the Aboriginal community are to be reflected in the infrastructure design, public education in Aboriginal culture, ongoing Aboriginal stakeholder input and workforce participation for Aboriginal people. Targets include 3% of awarded contracts above \$50,000, minimum two Aboriginal employees within the METRONET Office and/or the METRONET lead agencies, and more than 3% of total hours worked on delivery of the project. The strategy strongly progresses commitments within the broader WA Aboriginal Procurement Policy and the Workforce Diversification and Inclusion Strategy for WA Public Sector Employment to provide contracting and employment opportunities to Aboriginal people.</p>	Aboriginal Empowerment Strategy	 
Aboriginal Economic Development	 <p>The program aims to unlock significant and impactful regional Aboriginal economic development opportunities by building local capacity and supporting new businesses and jobs for Aboriginal people through primary industries and strategic regional projects. This has supported the successful delivery of pastoral and land enterprise programs; Aboriginal procurement advisory services that have delivered over \$20 million in procurement outcomes for Aboriginal business; delivery of wool industry workforce development programs for young Aboriginal people; as well as the establishment of an Aboriginal sandalwood advisory body to support further Aboriginal participation in the sandalwood industry.</p>	Aboriginal Empowerment Strategy	 



SELECTED INITIATIVES IN PROGRESS BY SDG



11 SUSTAINABLE CITIES AND COMMUNITIES



MAKE CITIES AND HUMAN SETTLEMENTS INCLUSIVE, SAFE, RESILIENT AND SUSTAINABLE



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGs
Setting Minimum Sustainability Standards For Land Development	 In November 2020 the WA Government's land development agency released a set of Minimum Sustainability Standards for its projects, covering water, waste, energy and biodiversity outcomes to apply across metropolitan, regional and industrial programs of work, ensuring projects meet a baseline level sustainability performance. The Standards apply to projects that are expected to have development expenditure over \$500,000 within the next five years and will produce new lots. In relation to the waste standard, development projects incorporating demolition of over \$1 million, or construction activity of over \$5 million, are required to develop a detailed Waste Management Plan with a target of 75% waste avoidance and resource recovery percentage.	Waste Avoidance and Resource Recovery Strategy 2030	 
Resilient Regions (Regional Land and Infrastructure Development)	The WA Government's Resilient Regions program seeks to grow and revitalise cities and towns through the supply of land and infrastructure, particularly where private market failure occurs. The State also supports the development and progress of Aboriginal land use agreements through this program. Over \$20 million in project funding was committed in 2020-21 to help strengthen communities by creating vibrant places for people to live and socialise, whilst also investing in new spaces for economic activity, job creation and growth. Further, from November 2020 all projects are required to meet minimum sustainability standards which cover waste, water, energy and biodiversity.	Regional Development Strategy	 
WA Hiking Participation Grants Program	 The WA Government is committed to investing in community organisations and local governments to enable the delivery of programs that make hiking a more accessible form of physical activity and maximise the positive impact on individuals, communities and the State. Since its launch in 2020, the program has funded a range of projects, including programs to support Aboriginal youth, guided by Elders and mentors to become hiking leaders and a hiking program for people with severe disability. Further opportunities for grants will be offered in 2021-22.	Aboriginal Tourism Action Plan 2021 - 2025	 
Cultural Infrastructure Framework 2030+	 The WA Government has created a Cultural Infrastructure Framework which includes promoting and celebrating Western Australia's Aboriginal art, culture and heritage. This useful toolkit will assist State and local government decision makers to assess cultural infrastructure needs and priorities.	Diversify WA	 
METRONET Social and Affordable Housing and Jobs Package	 Announced in May 2018, the WA Government committed \$394 million to complement METRONET in developing 970 high-density homes on strategic sites close to new METRONET or existing train stations to create unique compact urban communities. Integrating affordable housing and community facilities with transport hubs, the project is delivering sustainable and diversified housing addressing ageing social housing stock and responding to current and future needs of Western Australians. Works are underway creating more than 2,300 jobs with 26% of dwellings having been completed by 30 June 2021.	WA Housing Strategy 2020-2030	 



SELECTED INITIATIVES IN PROGRESS BY SDG



11 SUSTAINABLE CITIES AND COMMUNITIES



MAKE CITIES AND HUMAN SETTLEMENTS INCLUSIVE, SAFE, RESILIENT AND SUSTAINABLE



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGS
Aboriginal Short Stay Accommodation	Aboriginal Short Stay Accommodation (ASSA) provides accommodation for Aboriginal people living in regional and remote communities required to travel to attend a range of services including for medical or cultural reasons. The facilities have provided close to 100,000 bed nights since 2014 and the WA Government has committed \$38 million to build two new ASSA facilities in the Mid-West and East-Kimberley.	WA Housing Strategy 2020-2030	
Aboriginal Cultural Centre	The WA Government has committed \$50 million to help establish an Aboriginal Cultural Centre on the banks of the Derbarl Yerrigan - or Swan River - in Perth which is expected to be one of the world's leading centres for Aboriginal history, culture and tradition. The package, which enabled the commencement of project planning, will also support design works and provide a component of seed-capital required for construction.	Aboriginal Empowerment Strategy	
Urban Canopy Grants Program	Provides grants to local governments in the Perth and Peel region for tree planting projects to increase urban tree canopy in their communities. The Program seeks to reduce the urban heat island effect, and supports existing greening initiatives and the Government's Waterwise Perth Action Plan 2019-21. In 2021, the Government awarded grants to 18 local governments. This will support planting of 3,500 trees by 2022 and provide more than 16.5 hectares of urban tree canopy over the next ten years.	Waterwise Perth Action Plan	
Train Fare Price Cap	From 2022, the cost of longer distance public transport fares will be capped at the current fee applicable for travel distances of around 10 km. This will result in a saving of more than 60% for passengers living significant distances from the central business district and therefore provide a significant incentive for more people to use public transport associated with the rollout of METRONET, thereby reducing cars on the road and GHG emissions.	WA Climate Policy	
WA Bicycle Network Plan	The WA Government has committed over \$265 million investment in active transport infrastructure across Western Australia to deliver an integrated network of safe, high-quality paths for cyclists and pedestrians. A key component, for which construction will commence in early 2022, is a new pedestrian and cyclist bridge across the Swan River providing further opportunities for clean transport into the city of Perth's central business district.	WA Transport Strategic Plan 2020-22	
METRONET	METRONET is the most significant investment in electrified public transport ever undertaken in Western Australia, amounting to \$5.7 billion. It is also a core component of the WA Government's strategy for managing sustainable residential development, connecting communities, transitioning Perth to a leading waterwise city and significantly reducing the need for car travel. With approximately 72 km of new passenger rail and up to 22 new stations, METRONET is a catalyst to turn over 8,000 hectares of land around new stations to desirable places for investment in sustainable housing, jobs and services for growing communities.	Perth and Peel @ 3.5 million frameworks	



SELECTED INITIATIVES IN PROGRESS BY SDG



11 SUSTAINABLE CITIES AND COMMUNITIES



MAKE CITIES AND HUMAN SETTLEMENTS INCLUSIVE, SAFE, RESILIENT AND SUSTAINABLE



SAMPLE OF INITIATIVES IN PROGRESS

OVERVIEW OF SELECTED INITIATIVES

CONNECTION TO WA GOVT POLICY

OTHER RELATED SDGs

Regional State Road Safety Improvement Program



Regional Western Australia currently experiences five times higher rates of fatal and serious injury from run-off-road and head-on crashes than the metropolitan area. The Regional State Road Safety Improvement Program is a major capital investment aimed at reducing road trauma through sealing of road shoulders and implementing audible edge lines. With an investment of \$455 million for these improvements across the State, 7,000 km of roads are to be upgraded by July 2022. Completion is estimated to reduce run-off road crashes by up to 67%, lead to long term maintenance savings and reduce travel time for the freight sector.

[Road Safety
Strategy 2020-
2030](#)



Murujuga World Heritage Nomination



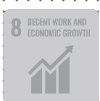
The Murujuga Aboriginal Corporation (MAC) is working in partnership with the WA Government to prepare Murujuga's World Heritage List Nomination in recognition of the outstanding universal (Aboriginal cultural) value of the Dampier Archipelago and surrounds. In August 2018, the Premier and MAC announced that a World Heritage nomination would be progressed for Murujuga, and in January 2020, the Murujuga Cultural Landscape was added to Australia's World Heritage Tentative List by the United Nations Educational, Scientific and Cultural Organization (UNESCO) World Heritage Centre. A nomination dossier is now being prepared by MAC and the WA Government.

[Murujuga Rock
Art Strategy](#)





SELECTED INITIATIVES IN PROGRESS BY SDG














12 RESPONSIBLE CONSUMPTION AND PRODUCTION



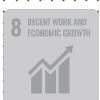
ENSURE SUSTAINABLE CONSUMPTION AND PRODUCTION PATTERNS



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGs
East Village at Knutsford	 Following award-winning zero-carbon living estate development of the White Gum Valley project, the 'East Village at Knutsford' residential housing estate will deliver Australia's first blockchain ready homes, featuring 36 energy-efficient homes showcasing waterwise living and a micro-grid supply network for water and power derived from 100% renewable sources. The project, for which off-the-plan sales have commenced, will be a living laboratory delivering valuable lessons from real-life initiatives to support a more sustainable way of living. Residents will be participating in leading trials of new technology and supported to embrace One Planet Living including shared electric vehicles and fast charging, solar panels and battery storage, waterwise landscaped private and public spaces.	WA Climate Policy	 
Waste-to-Energy	 Construction is in progress for Australia's first two large scale waste-to-energy (WtE) facilities both located within Perth's metropolitan area. The first facility is expected to commence processing waste from 2022. The \$1.2 billion facilities meet the most stringent environmental requirements and demonstrate the WA Government's commitment to deliver environmental, economic and social benefits to Western Australians using innovative technologies. The two facilities will have the capacity to process around 700,000 tonnes of waste per annum, being a significant diversion from landfill whilst generating 65 MW of renewable energy, enough to power 83,000 homes.	WA Climate Policy	 
Plan for Plastics	 The WA Government is introducing regulations to phase out the use of single-use plastics (SUP) to reduce their impact on the environment and waste streams. Released in November 2020, the plan outlines regulatory actions to ban SUP in two stages, as well as voluntary approaches to support implementation. Compliance for Stage 1 items was brought forward from 2023 to 31 December 2021, and included a ban on plastic plates, bowls, cups, cutlery, stirrers, straws, thick plastic bags, takeaway polystyrene food containers and helium balloon releases. Stage 2 items will be phased out by 31 December 2022 and includes produce bags, microbeads, polystyrene packaging, polystyrene cups, coffee cups and lids, cotton buds with plastic shafts and oxo-degradable plastics.	WA Plan for Plastics	 
Recovery of Biosolids	Biosolids are the organic sludge from domestic and industrial wastewater that, following treatment, can be used as natural fertilisers and soil improvers for broad-acre crops such as wheat, oat, canola, lupins and forestry applications. As part of the commitment to sustainability, waste reduction and a circular economy in which human health and the environment are protected, the WA Government aims to recover 100% of this valuable resource from Perth metro and 75% from regional areas – and has regularly achieved this KPI.	Waste Avoidance and Resource Recovery Strategy 2030	 



SELECTED INITIATIVES IN PROGRESS BY SDG












12 RESPONSIBLE CONSUMPTION AND PRODUCTION



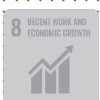
ENSURE SUSTAINABLE CONSUMPTION AND PRODUCTION PATTERNS



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGS
Roads to Reuse	 <p>The Roads to Reuse program supports markets for recycled construction and demolition (C&D) products. It encourages the use of recycled C&D materials in civil applications, such as road construction. After a successful trial that saw 62,000 tonnes of crushed recycled concrete used in roads construction, the WA Government has now started the demolition of a former hospital where it is estimated that more than 80,000 tonnes of non-hazardous material will be recycled, the equivalent of 2 stadiums. The program has been recognised by the National Waste and Recycling Industry Council and recommended to be adopted nationally.</p>	WA Waste Strategy	 
Drought Tolerant Crops	 <p>Western Australia has been proactive with adaptation and innovation in the dryland farming agricultural sector by developing drought-tolerant crops to support its \$5 billion grain industry. Western Australia's best in class practices are continuously evolving with success highlighted through use of 83% less distributed water than the Australian average and 50% less self-extracted water. Furthermore, more than \$20 million per year are allocated to grains research and development, with many of the research programs also having relevance to improving dryland production in developing countries.</p>	Primary Industries Plan 2020-24	 
WaterSmart Farms	 <p>WaterSmart Farms is a \$1.5 million, 3 year project to research sustainable groundwater supply options using on-farm desalination technology. Successful use of this technology using brackish groundwater will increase the ability of farms to weather dry seasons. The project was initiated in response to growing industry requests to develop more climate resilient on-farm water supply options.</p>	Primary Industries Plan 2020-24	 



SELECTED INITIATIVES IN PROGRESS BY SDG




13 CLIMATE ACTION



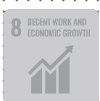
TAKE URGENT ACTION TO COMBAT CLIMATE CHANGE AND ITS IMPACTS



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGs
Water Resource Management	The WA Government manages sustainable water management allocation based on a scientifically rigorous and multi-disciplinary framework adapted to Western Australia's challenging drying climate. This facilitates meeting the needs of current and future water users, whilst protecting ecosystems and the environment. It promotes equitable and efficient use of water resources and recognises all values of water in decision making to achieve environmental, social, cultural, domestic and commercial outcomes.	Water planning Guide	
Western Australian Regional Climate Alliance	 In July 2021, two partnerships have been created across multiple local governments in the South Coast and Goldfields regions to support collaboration, knowledge sharing and strengthening climate change adaptation and mitigation capability and action in regional Western Australia. The alliances will support projects demonstrating economic, environmental and social benefits such as uptake of renewable energy and energy efficiency solutions, delivering behaviour change programs to reduce energy use or improve bushfire preparedness and management.	WA Climate Policy	
Liquified Natural Gas (LNG) Bunkering	The WA Government is encouraging LNG fuelling for bulk vessels in the Pilbara to support global efforts to reduce carbon emissions as the international shipping industry is turning to LNG as a transition fuel as it works towards clean hydrogen and other carbon-free fuels. To support this, since 1 July 2020 the WA Government is providing a 50% discount in port berthing fees to bulk vessels bunkering with LNG at government operated ports in the Pilbara.	WA Climate Policy	
Develop and Implement UNHaRMED For Risk Reduction	Ongoing collaboration with the University of Adelaide and the Bushfire and Natural Hazards Cooperative Research Centre to develop and implement the Unified Natural Hazard Risk Mitigation Decision (UNHaRMED) support system for Western Australia. This valuable tool assists in the reduction of risks from natural hazards, including bushfires, coastal erosion and inundation.	WA Climate Policy	
State Fleet Electric Vehicle Target	Commitment to a minimum 25% electric vehicle target for eligible government fleet vehicles by 2026 on new light and small passenger, small and medium SUV, as well as investment in charging stations in Government-owned and leased buildings. This builds on a commitment since 2006 to being the first and only State to fully offset the State Government fleet's GHG emissions through accredited environmental programs. In 2020, 45,000 tonnes of carbon credit units were procured to offset the emissions of the fleet.	Electric Vehicle Strategy	



SELECTED INITIATIVES IN PROGRESS BY SDG









13 CLIMATE ACTION

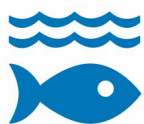


TAKE URGENT ACTION TO COMBAT CLIMATE CHANGE AND ITS IMPACTS



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGs
Carbon Life Cycle Analysis for the Western Australian Sheep Industry	 <p>In support of the WA Government's commitment to reducing industry emissions and mitigating climate change, in April 2021 development of a life cycle assessment (LCA) for sheep production commenced. A life cycle assessment is a methodology for assessing environmental impacts associated with a commercial product. The LCA will calculate the carbon footprint of the Western Australian sheep industry, as well as examine how climate change impacts are experienced on farming land. Ultimately this will assist in identifying improvement options to reduce GHG emissions.</p>	<u>Primary Industries Plan 2020-24</u>	 
Carbon for Conservation Initiative	 <p>Provides carbon farming service providers with the opportunity to propose carbon farming concepts for the conservation estate which optimises carbon storage, biodiversity conservation and benefits to Aboriginal people. The WA Government has identified seven carbon farming candidate sites and invited proposals for consideration.</p>	<u>WA Climate Policy</u>	 

14

LIFE
BELOW WATER


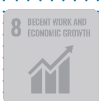
CONSERVE AND SUSTAINABLY USE THE OCEANS, SEAS AND MARINE RESOURCES FOR SUSTAINABLE DEVELOPMENT



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGs
Improving natural water quality in the South-West	The WA Government is working to improve water quality in rivers and estuaries in South-West Western Australia across a combined catchment area of approximately 4 million hectares, an area comparable to Switzerland. This \$25 million initiative is a holistic ecosystem management program targeting at-risk estuaries and priority catchments impacted by housing, agriculture, industry and recreation activities. Remedial actions aim to reduce nutrient and organic discharge to estuaries, improving water quality to ensure fewer low oxygen, algal bloom and fish death events and protect important habitat for migratory birds.	<u>Healthy Estuaries</u>	12 RESPONSIBLE CONSUMPTION AND PRODUCTION 17 PARTNERSHIPS FOR THE GOALS
Peel-Harvey Estuary Protection Plan (Bindjareb Djilba)	Commencing in 2020, \$6 million in funding has been provided to implement a 10 year plan that provides a blueprint of actions needed to continue protecting and improving the water quality of the Peel-Harvey Estuary, which is the largest inland waterbody in southern Western Australia and has internationally recognised values. The plan brings together farmers, industry, traditional owners and the community to work together and protect the estuarine system for future generations.	<u>Healthy Estuaries</u>	12 RESPONSIBLE CONSUMPTION AND PRODUCTION 17 PARTNERSHIPS FOR THE GOALS
Ecologically Sustainable Development (ESD) based fisheries management	Western Australia is highly regarded internationally for its world leading Ecologically Sustainable Development (ESD) based sustainable and ethical fisheries management, being one of the few jurisdictions in the world that also applies a comprehensive ecosystem based fisheries management (EBFM) approach for aquatic resources. This EBFM approach assesses the cumulative impacts on target species, by-catch species, habitat and ecosystem from all fishing sectors and has been enhanced through the development of new legislation <i>Aquatic Resources Management Act 2016</i> which will facilitate resource based management.	<u>Primary Industries Plan 2020-24</u>	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE 12 RESPONSIBLE CONSUMPTION AND PRODUCTION
Certification of WA Fisheries	Western Australia was the first jurisdiction in the world in 2000 to attain the strict international Marine Stewardship Council (MSC) certification for one of its fisheries and in 2020 there were 10 fisheries, representing around 90% of the annual catch value, that were MSC certified, the highest in Australia.	<u>Primary Industries Plan 2020-24</u>	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE 12 RESPONSIBLE CONSUMPTION AND PRODUCTION
Fisheries and Marine Science Capacity	Over 130 aquatic scientists are employed in Western Australia through government agencies and universities, providing high level scientific research, assessment and monitoring which underpins sustainable marine management strategies. The Western Australian Marine Science Institution (WAMSI) is a collaboration of state and federal government and academic science organisations that brings aquatic scientists together to undertake independent marine research for the benefit of the environment, the community and the Blue Economy. Since WAMSI was established in 2005, it has received approximately \$40 million in WA Government grants, including funds for large research projects.	<u>Blueprint for Marine Science WA</u>	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE 17 PARTNERSHIPS FOR THE GOALS



SELECTED INITIATIVES IN PROGRESS BY SDG



14 LIFE BELOW WATER



CONSERVE AND SUSTAINABLY USE THE OCEANS, SEAS AND MARINE RESOURCES FOR SUSTAINABLE DEVELOPMENT



SAMPLE OF INITIATIVES IN PROGRESS

OVERVIEW OF SELECTED INITIATIVES

CONNECTION TO WA GOVT POLICY

OTHER RELATED SDGS

Community Rivercare Program



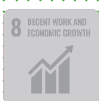
Round four of the Community Rivercare Program will be implemented by 2022 and complete the first tranche of funding that has seen \$1 million provided to community volunteer groups. Across the first four funding rounds, 30 not-for-profit recipient groups have used their local knowledge, experience and volunteer resources to complete 44 restoration projects throughout the Swan Canning river system. Round 5 will also be funded in 2022, with projects carried out over future years.

[Swan Canning
River Protection
Strategy](#)





SELECTED INITIATIVES IN PROGRESS BY SDG



15 LIFE ON LAND



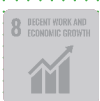
PROTECT, RESTORE AND PROMOTE SUSTAINABLE USE OF TERRESTRIAL ECOSYSTEMS, SUSTAINABLY MANAGE FORESTS, COMBAT DESERTIFICATION, AND HALT AND REVERSE LAND DEGRADATION AND HALT BIODIVERSITY LOSS



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGs
Framework for Developing Mine- site Completion Criteria	 The WA Government has delivered a rigorous and credible framework for developing mine-site completion criteria through a collaborative effort with leading experts from universities and industry. The framework resolves potential inconsistencies across different mining companies, regions and commodities. It ensures that monitoring and associated completion criteria continue with adaptive management as the land is passed to the subsequent owner (e.g. pastoralist, Aboriginal community or land-management agency). Outcomes include improved water quality, soil fertility and vegetation, and associated social and economic benefits.	Environmental Objectives Policy for Mining	 
Mine Closure Plan	 Planning for mine closure is a critical aspect in ensuring that mining in Western Australia is environmentally and socially sustainable. Since 2011, effective rehabilitation strategies must be in place as part of mandatory Mine Closure Plans, and approved plans must be regularly reviewed and resubmitted for approval at various intervals throughout the life of a mine. The government plays a unique role in providing <u>best practice guidance</u> and showcasing <u>innovative techniques and strategies</u> for effective and sustainable rehabilitation	Environmental Objectives Policy for Mining	 
Mining Rehabilitation Fund	 As mining has occurred in Western Australia for more than 150 years, the WA Government is addressing the issue of abandoned mine sites through the Mining Rehabilitation Fund, an annual levy on mining tenement holders created in 2012 that provides a source of funding to address abandoned mines and encourage progressive rehabilitation during mining operations.	Environmental Objectives Policy for Mining	 
Pilbara Environmental Offsets Fund	 The Pilbara Environmental Offsets Fund (PEOF) supports environmental offset projects in the Pilbara bioregion of Western Australia in partnership with Traditional Owners, natural resource management organisations, conservation groups, industry and the research sector. The PEOF utilises a rigorous, scientific, and strategic approach to protecting the region's environmental values as well as creating opportunities for Traditional Owners and rangers to work on country and use local knowledge and expertise. It is the first fund of its kind in Australia combining value for the environment as well as Traditional Owners, with offset investment.	WA Environmental Offsets Policy	 
Environmental Revegetation and Rehabilitation Fund	 Launched in July 2020, the fund supports projects improving habitat for Western Australia's unique and important flora and fauna. Programs involving revegetation, habitat restoration and protection of existing vegetation able to deliver at-scale environmental outcomes and economic benefits. Further, Aboriginal participation in delivery partnerships is supported through a target of at least 20% of the entire project budget to be delivered by Aboriginal organisations.	WA Climate Policy	 



SELECTED INITIATIVES IN PROGRESS BY SDG



15

LIFE
ON LAND



PROTECT, RESTORE AND PROMOTE SUSTAINABLE USE OF TERRESTRIAL ECOSYSTEMS, SUSTAINABLY MANAGE FORESTS, COMBAT DESERTIFICATION, AND HALT AND REVERSE LAND DEGRADATION AND HALT BIODIVERSITY LOSS

**SUSTAINABLE
DEVELOPMENT
GOALS**

SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGs
Support Western Australian Biodiversity Institute	 Western Australia has a globally unique biodiversity, possessing one of the most diverse and unique flora and fauna, with the South-West of Western Australia being recognised as one of only 34 internationally recognised biodiversity hotspots (and the only one in Australia). In order to meet the knowledge requirements of government and industry and efficiently perform research in local biodiversity, the WA Government provides continuous support to the Western Australian Biodiversity Institute. This is a joint venture arrangement that facilitates collaborative biodiversity research to strengthen efforts to safeguard one of the world's biodiversity assets. The institute has received over \$10 million in grants since 2015.	WA Climate Policy	 
Coastal Adaptation and Protection Grants	 Provides funding and other assistance for projects that identify and manage coastal hazard and erosion hotspots, which is often the result of human activities and climate change. The program seeks to preserve and enhance coastal assets for the general public, building partnerships with local coastal managers, and helping them understand and adapt to coastal hazards. This is achieved through a combination of grant funding, with grants of more than \$12 million having been provided for over 200 projects since inception, together with non-financial assistance such as engineering and technical support and coastal data provision.	WA Climate Policy	 
Softwood Plantation Expansion Fund	As part of the Climate Action Fund, the WA Government has allocated \$350 million over 10 years to expand the pine plantation estate in Western Australia. This could facilitate over 50 million trees being planted across at least 33,000 hectares, with the potential to sequester up to 9.5 million tonnes of CO2 and provide sustainably sourced timber for Western Australia's construction industry.	WA Climate Policy	 
Carbon Farming and Land Restoration Program	 This WA Government program will facilitate the uptake of carbon farming projects in the South-West Land Division by rural businesses that also provide priority social, environmental community and economic co-benefits. First round applications by farmers and researchers to access \$15 million in project grant funding through the Carbon Farming Land Restoration Fund opened in July 2021.	WA Climate Policy	 
Plan for Our Parks	 This program will create 5 million hectares of new national and marine parks and other conservation reserves by February 2024, increasing the State's conservation estate by 20%, and working with Aboriginal people in creating and managing new conservation reserves that will be jointly managed with Traditional Owner groups. The new national parks and reserves will protect important areas of biodiversity value, significant landscapes and provide additional opportunities for nature-based tourism and recreation. In doing so, they will diversify regional economies and create local jobs. There may be also opportunities for carbon farming initiatives.	WA Climate Policy	 



SELECTED INITIATIVES IN PROGRESS BY SDG




15 LIFE ON LAND



PROTECT, RESTORE AND PROMOTE SUSTAINABLE USE OF TERRESTRIAL ECOSYSTEMS, SUSTAINABLY MANAGE FORESTS, COMBAT DESERTIFICATION, AND HALT AND REVERSE LAND DEGRADATION AND HALT BIODIVERSITY LOSS



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGS
Protection of Murujuga Rock Art	Released in February 2019, the Murujuga Rock Art Strategy establishes the framework for long-term management and monitoring to protect over 1 million images of rock art on Murujuga, which date back thousands of years, from the impacts of anthropogenic emissions. The framework provides a transparent, risk-based and adaptive approach that is consistent with the WA Government's responsibilities under the <i>Environmental Protection Act 1986</i> . The implementation of the strategy, is in partnership with the Murujuga Aboriginal Corporation, representing the Traditional Owners of Murujuga. The monitoring program will deliver a scientifically rigorous approach to monitoring and analysis, following cultural protocols and training Aboriginal Rangers to determine whether the rock art is being subject to accelerated change.	Murujuga Rock Art Strategy	
Enhanced Prescribed Burning Program	 Prescribed burning is the primary means at a landscape level of reducing the level of combustible fuel and therefore the risk of bushfire faced by our community and the environment. It aims to maintain a diverse range of habitat types through the creation of low-fuel areas in a mosaic of burnt and unburnt patches across the landscape. At a landscape level it also assists in providing protection for community values such as infrastructure corridors of economic and public safety significance (e.g. powerlines, highways etc.), recreation, wood production, water catchments and biodiversity values. In the 2021-22 Budget, the Government committed a further \$22 million over 4 years to the Enhanced Prescribed Burning Program to assist in meeting prescribed burning targets to reduce the frequency and size of bushfires in forests in the South-West.	WA Climate Policy	



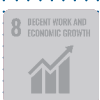
PROMOTE PEACEFUL AND INCLUSIVE SOCIETIES FOR SUSTAINABLE DEVELOPMENT, PROVIDE ACCESS TO JUSTICE FOR ALL AND BUILD EFFECTIVE, ACCOUNTABLE AND INCLUSIVE INSTITUTIONS AT ALL LEVELS



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGs
Ministerial Youth Advisory Council	Established in 2017, the Ministerial Youth Advisory Council, composed of 12 young Western Australians, directly provides important input and experience-based advice to the Youth Minister on various issues including homelessness, mental health and unemployment as they relate to young people. To complement this, the Beyond 2020 WA Youth Action Plan has been developed as a collection of actions across government that are aimed at assisting young people in providing the opportunities they need to flourish in the future through engagement in creative and positive initiatives. This includes the recent launch of the COVID-19 Youth Recovery Grants program - providing up to \$10,000 to local governments and community organisations for projects aimed at achieving positive outcomes for young people.	WA Youth Action Plan 2020-22	
Environment Online	Work is progressing to establish a new digital one-stop shop for environmental assessments, approvals and compliance for industry and developers in Western Australia that will reduce approval processes by 6-12 months, potentially saving industry up to \$72 million per year and accelerating delivery of up to \$100 billion worth of projects. It will improve the transparency and consistency of environmental approvals by streamlining processes and provide greater certainty, clarity and focus on meaningful environmental safeguards and outcomes.	WA Digital Strategy 2021-2025	
Climate Risk Financial Disclosure Framework	The WA Government is in the process of developing a comprehensive risk framework and associated training package to enable all Government agencies to identify, assess, quantify and report on climate related risk in accordance with the recommendations from the Task Force on Climate-related Financial Disclosures. This risk framework is expected to be finalised by end 2021.	WA Climate Policy	
Index of Marine surveys for assessment (IMSA)	IMSA is an online platform providing free access to the \$50 million of marine data annually compiled as part of environmental impact assessments (EIAs) in Western Australia. The sharing of information will contribute to lasting environmental benefits for Western Australia through more efficient EIAs, expanded knowledge base of Western Australia's vast and unique marine environment as well as reducing overlapping surveys and improving the availability and transparency of environmental information to the community.	WA Digital Strategy 2021-2025	
Cyber Security Unit	Cybersecurity incidents cost Australian businesses an estimated \$29 billion per year, with increasingly disruptive attacks occurring against private organisations and Government. The WA Government is addressing the ongoing threat to cyber security across the sector through the Office of Digital Government's Cyber Security Unit, by coordinating and supporting improvements to cyber security resilience. Established in 2018, the Cyber Security Unit supports cyber security efforts through a number of tasks and initiatives including working towards establishing the WA Government Cyber Security Centre, implementation of WA Government cyber security policy and coordinating the implementation of cyber security capability.	WA Digital Strategy 2021-2025	







SELECTED INITIATIVES IN PROGRESS BY SDG



PROMOTE PEACEFUL AND INCLUSIVE SOCIETIES FOR SUSTAINABLE DEVELOPMENT, PROVIDE ACCESS TO JUSTICE FOR ALL AND BUILD EFFECTIVE, ACCOUNTABLE AND INCLUSIVE INSTITUTIONS AT ALL LEVELS



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGs
Target 120	The Target 120 program supports young people aged between 10 and 14 who are at risk of becoming repeat offenders, by providing a suite of tailored services and culturally appropriate supports. Since its development and initial trials in 2017 on selected strategic locations, the WA Government has committed more than \$20 million and is expanding the program to outer metropolitan and regional areas. The program has seen positive results with two-thirds of participants having had no contact with police since joining.	<u>Commitment to Aboriginal Youth Well-being</u>	 
Custody Notification Service	Launched in 2019, the Custody Notification Service (CNS) aims to reduce the number of preventable deaths in custody and deliver better justice outcomes for Western Australia's Aboriginal community. The CNS is a 24/7 critical welfare check undertaken at the earliest opportunity and also provides fundamental legal advice for all Aboriginal people taken into police custody.	<u>Aboriginal Empowerment Strategy</u>	 

17 PARTNERSHIPS FOR THE GOALS



STRENGTHEN THE MEANS OF IMPLEMENTATION AND REVITALIZE THE GLOBAL PARTNERSHIP FOR SUSTAINABLE DEVELOPMENT



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGs
Clean Energy Future Fund	The Clean Energy Future Fund (CEFF) supports innovative clean energy projects in Western Australia with the potential to decarbonise existing industry, enhance energy efficiency or develop new low carbon industries. The CEFF provides up to 25% of project costs to assist businesses and investors to accelerate the State's clean energy transformation supporting the WA Government's commitment to net zero greenhouse gas emissions by 2050. The program commenced in April 2020 with two projects receiving funding and applications are currently being considered for a further \$16 million in available grants.	<u>WA Climate Policy</u>	
Renewable Hydrogen Fund	The WA Government's Renewable Hydrogen Fund supports renewable hydrogen feasibility and capital works projects to grow the renewable hydrogen industry and support key green hydrogen opportunities across the State. The fund proceeds are used in accordance with the four strategic focus areas of the WA Renewable Hydrogen Strategy – transport, remote applications, blending into the network and export, aiding the transition to a low carbon future and diversifying WA's economy. \$13 million was allocated in the first two rounds to support 5 capital works projects and 10 feasibility studies.	<u>WA Renewable Hydrogen Strategy</u>	
Future Battery Industry Cooperative Research Centre	The WA Government provided funding of \$6 million to support the establishment of the Future Battery Industry Cooperative Research Centre, which became operational in Perth in 2019. The Centre is a national organisation involving collaboration between industry, government and researchers on a comprehensive research and development agenda to build a highly competitive future battery industry in Australia and enhance the nation's role in global battery value chains.	<u>WA Future Battery and Critical Minerals Industries Strategy</u>	
Tariff Equalisation	Utilities in Western Australia are operated as government owned companies to ensure corporate business disciplines are applied to achieve cost effective service delivery, with separate providers in metropolitan and regional areas. However, to ensure uniform tariffs apply to households across the breadth of the State, the significantly higher costs of supply to service regional areas is effectively spread across the metropolitan customer base, which also assists in maintaining viable communities in regional areas. This is facilitated through an efficient funding transfer system between the regional and metropolitan providers.	<u>Uniform Tariff Policy</u>	

17 PARTNERSHIPS FOR THE GOALS



STRENGTHEN THE MEANS OF IMPLEMENTATION AND REVITALIZE THE GLOBAL PARTNERSHIP FOR SUSTAINABLE DEVELOPMENT



SAMPLE OF INITIATIVES IN PROGRESS	OVERVIEW OF SELECTED INITIATIVES	CONNECTION TO WA GOVT POLICY	OTHER RELATED SDGs
Science Funding Programs	<p>The WA Government works with a range of partners to support the delivery of science priorities through research collaboration, access to research infrastructure and research excellence. Funding supports the Western Australian Biodiversity and Marine Science Institutes, Future Battery Industries, SmartSat, Cyber Security and Food Agility Cooperative Research Centres. The outcomes of which address emerging priorities in cyber security, digital agriculture, carbon abatement, heavy industry and battery technology. The supported research infrastructure includes Scitech, Pawsey Supercomputing Centre and the International Centre for Radio Astronomy Research. \$23 million in WA Government funding for 2020-21 has important consequences for the State's economy through diversification and job creation and fostering collaboration and innovation across industry, researchers and government.</p>	<p>WA Science and Innovation 2018-2022</p>	
Invest and Trade WA	<p>To support the state's economic diversification, the WA Government has established Invest and Trade WA to promote the state's unique strengths and diverse industries and provide a one-stop shop for incoming trade and investment enquiries. Through a network of local and international offices, Invest and Trade WA helps investors to navigate the State's investment and trade ecosystem and assists local businesses to access foreign markets. The WA Government operates 8 international investment and trade offices across 5 regions: ASEAN (Jakarta and Singapore); China (Shanghai); India-Gulf (Mumbai and Dubai); North-East Asia (Tokyo and Seoul); and United Kingdom/Europe (London).</p>	<p>Diversify WA</p>	
Future Health Research & Innovation Fund	<p>This WA Government sponsored fund provides a secure, long-term source of funding to drive health and medical research, innovation and commercialisation to improve health outcomes, diversify the economy and improve the sustainability of the health system and position Western Australia as a leader in research and innovation. Implementation of the FHRI Fund has already delivered benefits to the Western Australia research and innovation community through the delivery of the FHRI COVID-19 Focus: COVID-19 Grants. Grants totalling approximately \$6 million were awarded to 18 projects which sought a range of deliverables, including infrastructure to test personal protective equipment and an advanced digital monitoring and engagement platform for at-risk and confirmed COVID-19 individuals.</p>	<p>WA Future Health Research and Innovation Fund Strategy 2020-2022</p>	
Agriculture Climate Resilience Fund	<p>The WA Government is investing \$15 million into an Agriculture Climate Resilience Fund to help WA farmers and industry to respond to the challenges of climate change. The Fund will support projects that will help farmers develop resilience to changes in climate, and the consequential changes in market expectations.</p>	<p>WA Climate Policy</p>	

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SUPPORTING CONTINUOUS
IMPROVEMENT IN ESG OUTCOMES
FOR WESTERN AUSTRALIA

