

City of Joondalup Draft Environment Strategy 2024 - 2034



Forest Red-tailed Black Cockatoos

Acknowledgements

Please formally acknowledge the City of Joondalup if you choose to use any of the content contained within the Environment Strategy.

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Alternative Formats

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Acknowledgement of Traditional Custodians

The City of Joondalup acknowledges the Traditional Custodians of this land, the Whadjuk people of the Noongar nation. We recognise the culture of the Noongar people and the unique contribution they make to the Joondalup region and Australia. We pay our respects to Elders past, present and emerging, as well as all Aboriginal and Torres Strait Islander peoples.

Joondalup-ak ngala kaditj Noongar moort nidja Wadjak boodjar-ak kalyakool moondang-ak kaaradj-midi. Ngala Noongar Moort wer baalabang moorditj kaadidjiny koota-djinanginy. Ngala Noongar wer Torres Strait Moort-al dandjoo koorliny kwaba-djinanginy. Koora, yeyi wer kalyakool, ngalak Noongar wer Torres Strait Birdiya wer moort koota-djinanginy.

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Acronyms

Acronym / Abbreviation	Definition
DBCA	Department of Biodiversity and Conservation Attractions
DPIRD	Department of Primary Industries and Regional Development
DWER	Department of Water and Environmental Regulation
FOGO	Food Organics and Garden Organics
LED	Light emitting diode
NRM	Natural Resource Management
WALGA	Western Australian Local Government Association
WARR	Waste Avoidance and Resource Recovery

Introduction

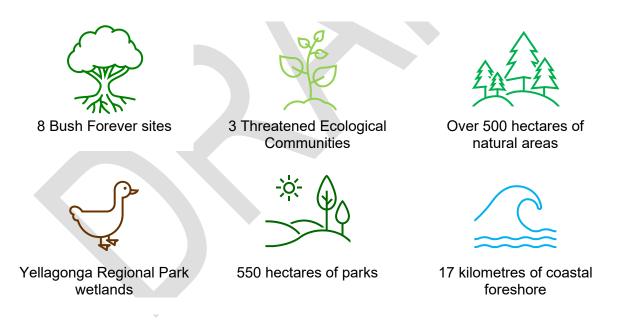
Our unique environment

The City is located within the Southwest Australian biodiversity hotspot, one of 36 biodiversity hotspots in the world, with approximately 8,000 plant species, the majority of which are endemic to this region.¹ There are a number of regionally, nationally and internationally significant natural areas located within or adjacent to the City including Yellagonga Regional Park, Marmion Marine Park and Neerabup National Park. There are natural areas within the City that contain vegetation communities and species of high conservation value. The City contains several Threatened Ecological Communities as well as threatened or priority flora and fauna species.

The City is situated along the Swan Coastal Plain, with its southern boundary located approximately 16 kilometres from the Central Business District of Perth. The City covers an area of 96.5 square kilometres which encompasses a diverse range of natural areas including 17 kilometres of coastal foreshore, a chain of wetlands and a variety of natural areas.

The City is bounded by the City of Wanneroo to the east and north, the City of Stirling to the south, and the Indian Ocean to the west, as shown in Figure 2.

Environmental snapshot



What you told us

Shaping Your Local Community

Our community were invited to participate in the Shaping Your Local Community initiative and provide feedback to inform the development of the *Strategic Community Plan 2022–2032* with community consultation activities being delivered from February to April 2021. Feedback was sought via a community survey, events poll and stakeholder workshops, including an environment themed community workshop in March 2021. The majority of the attendees at

¹ Brundrett, M. (2021)

the environment workshop were from the City's Friends Groups and the workshop included identifying environmental values and key challenges, exploring ideas for a thriving community and environment in the future and identifying environmental initiatives for the City. Workshop attendees told us that in their local community they most valued bushland, coastal space, beach and trees, as shown in the word cloud below with the larger words being more popular.



The following were identified during the workshop as environmental priorities for the City to focus on:

- Protection of natural areas from clearing of native vegetation for development
- Education, support and funding for Friends Groups to conserve natural areas
- Engage with schools to educate and raise awareness of bushland values and connect them to natural areas.

Strategic Community Reference Group

The City conducted community consultation to consider the City's strategic approach to environmental management and inform the development of a new Environment Strategy with the Strategic Community Reference Group in November 2022. The Strategic Community Reference Group consisted of community members, experts and Elected Members. Participants explored environmental values and challenges, identified innovative ideas to address environmental challenges and discussed shared responsibility.

Some of the innovative ideas from participants included water sensitive urban design, citizen science initiatives and Smart Cities technology. Participants identified that that they valued biodiversity, sustainability, ocean, nature, bushland, beaches, birds, parks and trees most about the environment, as shown in the word cloud below.



Community Feedback

Community feedback from the Strategic Community Reference Group and Shaping Your Local Community initiative was incorporated into the draft Environment Strategy, where relevant. Further community consultation will be undertaken on the draft Environment Strategy once it is endorsed by Council for consultation and community feedback incorporated into the final Strategy.

Strategic context

The *Environment Strategy* 2024 - 2034 aligns with the City of Joondalup Strategic Environmental Framework as shown in Figure 1. The *Environment Strategy* 2024 – 2034 is closely aligned with the City's *Strategic Community Plan* 2022 – 2032 and its environmental outcomes. The *Environment Strategy* 2024 – 2034 is a high level strategy guiding the issue specific environmental plans which contain management actions, targets and measures.



Figure 1: City of Joondalup Strategic Environmental Framework

Strategic Community Plan

The City's *Strategic Community Plan 2022 - 2032* sets out our strategic direction for the City for the next 10 years and includes the following environmental goal:

We have a beautiful natural environment which we care for and protect. We demonstrate best-practice in sustainability and environmental management. Our community is actively involved in conservation and sustainability initiatives and we share responsibility for preserving our natural assets for future generations.

The City's *Strategic Community Plan 2022 - 2032* includes the following environmental outcomes:



Managed and protectedResponsible and efficientYou value and enjoy the biodiversity in local
bushland, wetland and coastal areasYou benefit from a responsible and efficient
use of natural resources





Resilient and prepared You understand and are prepared for the impacts of climate change and natural disasters

Clean and sustainable You are supported to minimise waste and live sustainably in a clean environment

Purpose

The purpose of the *Environment Strategy 2024 – 2034* is to provide a framework for the City to be environmentally sustainable by protecting and enhancing the environment and minimising the use of natural resources.

Structure

The *Environment Strategy* 2024 – 2034 includes key themes of biodiversity, water, climate change and waste. Each theme includes:

- Objectives Strategic Community Plan outcomes
- Threats environmental threats
- Strategies what we currently do

- Plans what we plan on doing
- Measures annual performance measures.

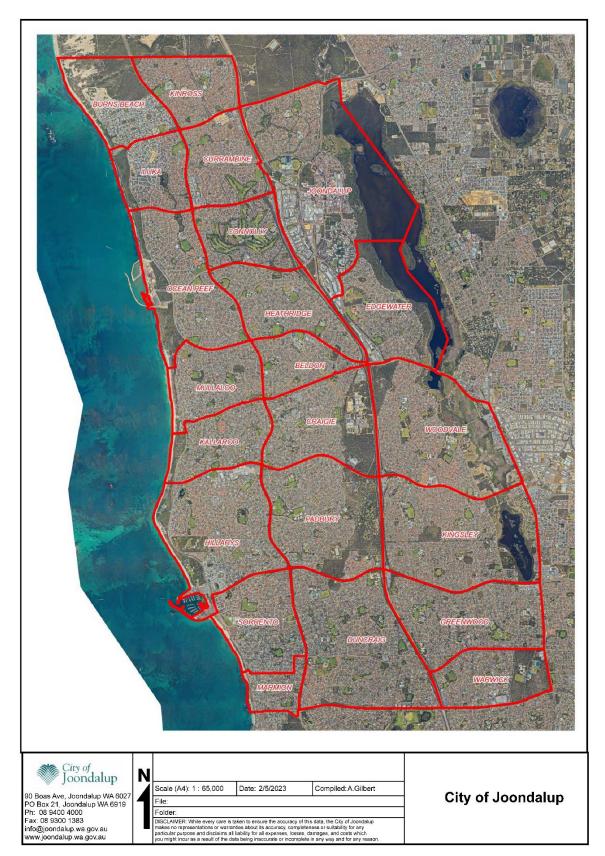


Figure 2: City of Joondalup Aerial Imagery

Environment Plan 2014 - 2019

The *Environment Strategy 2024 – 2034* builds upon the outcomes of the previous *Environment Plan 2014 - 2019*. The *Environment Plan 2014 - 2019* was endorsed by Council in 2014. Substantial progress has been made in implementing the recommended actions from the Plan with all recommendations that were scheduled for implementation during the life of the Plan having been either completed or commenced.

Local Government's Role

As per the Local Government Act 1995, the general function of a local government is to:

- promote the economic, social and environmental sustainability of the district
- plan for, and to plan for mitigating, risks associated with climate change
- in making decisions, to consider potential long-term consequences and impacts on future generations
- recognise the particular interests of Aboriginal people
- involve Aboriginal people in decision-making processes
- consider collaboration with other local governments.

We are committed to collaborating with the community to care for and protect our natural environment and demonstrate best practice in sustainability and environmental management.

Managed and protected	 Protection and enhancement of City managed natural areas Management of public open spaces Collaborate with Friends Groups to conserve and enhance natural areas Manage natural wetlands with other key stakeholders 	
Clean and sustainable	 Avoid and reduce corporate waste and support the community to reduce waste Increase resource recovery Litter collection 	
Responsible and efficient	 Transition to a low-Carbon City Sustainable water management Protection of water resources Support the community to live sustainably Support schools and businesses to undertake environmental sustainability initiatives 	
Resilient and prepared	 Adapt to climate change Prepare for natural hazards Advocate to state and federal government for support to be resilient and prepared 	

Our Partners

We have a shared responsibility to live sustainably and preserve our natural assets. Our partners help us to achieve our environmental outcomes.

	StateandCommonwealthGovernmentWe work with State andFederal government onprojects that help achieveenvironmentalsustainability priorities andthey provide supportthrough funding, expertiseand advice.	P	Friends Groups We collaborate with a large number of Friends Groups that help to conserve and enhance our natural areas.
8 8-8	OtherLocalGovernmentsWe work closely with ourneighbouringlocalgovernments,CityGitlingandCityofStirlingandCityofWanneroo, as well as otherlocalgovernmentswithinWAWAtoprogressenvironmentalinitiatives.We also work closely withtheWesternAustralianLocalGovernmentAssociation (WALGA).		Local Businesses We work with local businesses to encourage sustainability in their operations.
	Environmental Organisations We work with conservation organisations on environmental initiatives such as Birdlife WA, Wildflower Society of WA and Perth NRM	ŴŔŴ ŶŶŶŶŶŶŶ	Community We encourage and support the community to live sustainably and get involved in conservation of our local natural areas.
Ç	Research Institutions We collaborate with research institutions such as North Metropolitan TAFE, Edith Cowan University and the University of Western Australia with environmental research and studies.		Schools We work with schools to support environmental sustainability initiatives and involvement in conservation of our local natural areas.

Strategic Community Plan Outcome:

• Managed and protected – you value and enjoy the biodiversity in local bushland, wetland and coastal areas.

The City contains a diverse range of natural areas including 17 kilometres of coastal foreshore from Marmion to Burns Beach, a 13 kilometre chain of conservation category wetlands in Yellagonga Regional Park and a variety of natural areas. Many of the City's natural areas are recognised as having local, regional or national significance.

There is a total of 1,384 ha of natural areas contained within the City, of which the City manages 533 hectares (ha) in over 100 reserves, as shown in Figure 3. There are also 62,170 dwellings within the City, many of which contain native vegetation within the gardens.² In addition there are 550 ha of parks as well as urban landscaping areas such as streetscapes, pedestrian access ways, sumps and swales that can also contain native vegetation.

The City is home to a range of unique and important wildlife and plants. Our unique wildlife that we care for and protect includes the nationally threatened Carnaby's Black-Cockatoos and Forest Red-tailed Black-Cockatoos, state listed priority species Quenda (Bandicoot), regionally iconic Southwestern snake-necked turtles and an abundance of other animals. The City is also home to important nationally protected and threatened ecological communities – Banksia Woodlands of the Swan Coastal Plain and Tuart Woodlands and Forests of the Swan Coastal Plain; as well as an incredible diversity of plants. We continue to care for and protect our incredible native animals, ecological communities and native vegetation consisting of beautiful plants, wildflowers and trees.

Canopy cover is important to reduce the urban heat island effect and create cooler and more liveable communities. The City's canopy cover was 12% in 2020 and has been increasing since 2014, largely due to the implementation of the City's Leafy City Program and Winter Tree Planting Program.

².idcommunity (2023)



Figure 3: City of Joondalup Natural Areas

Threats

There are a range of threats to our biodiversity including:

- Clearing of native vegetation and fragmentation of remaining bushland areas
- Weeds and the degradation of native vegetation communities
- Pathogens and pest insects such as Phytophthora species and Polyphagous shot-hole borer and the impacts to native vegetation
- Invasive species such as foxes, rabbits and cats and their impact on native fauna
- Bushfire risk at a high frequency that impacts vegetation communities
- Climate change such as increased temperatures and reduced rainfall that results in biodiversity loss and changes in species distribution and vegetation communities³
- Altered hydrogeological regimes such as changes in stormwater flow and groundwater input, particularly for groundwater dependent ecosystems
- Human impacts such as trampling of native vegetation or dumping of waste in bushland areas
- Recruiting new volunteers in Friends Groups to ensure they can continue with conservation of the City's natural areas.

What we currently do

We currently implement a range of plans, projects and initiatives to protect or enhance biodiversity including the following key initiatives that are conducted annually:

	Greening our neighbourhoods – we are growing our urban forest and increasing canopy cover through our Leafy City Program and Winter Tree Planting Program. The City's planning framework also includes requirements to plant trees for development on private property in residential infill areas.
P	Conserving our natural areas – we are growing approximately 10,000 local provenance species each year for revegetation works by Friends Groups in natural areas.
	Ecological surveys – we engage consultants to undertake periodic ecological surveys and vegetation condition assessments of our major conservation reserves. This allows us to identify and prioritise conservation initiatives effectively, inclusive of caring for and protecting our local threatened species and ecological communities.
J.Z.S	 Protecting our natural areas – we care for, protect and manage natural areas through our: Strategic natural area management plans Integrated weed management approach Bushfire mitigation activities within natural areas to reduce the fuel load Pathogen treatment program within key natural areas with pathogens identified Feral animal control program in natural areas to target invasive species such as foxes and rabbits Yellagonga Regional Park local biodiversity project in collaboration with the City of Wanneroo and Department of Biodiversity, Conservation and Attractions (DBCA).

³ DAWE (2021)

8 8-8	Strategic Partnerships – we have formed strategic partnerships with agencies and organisations such as the DBCA, Department of Water and Environmental Regulation (DWER), Department of Primary Industries and Regional Development (DPIRD), Water Corporation, Western Australian Local Government Association (WALGA), Perth NRM, ReWild Perth and neighbouring local governments.
800	Actively engaged community – we implement an Environmental Education Program to encourage the community to be actively involved in conservation and sustainability initiatives.

Case Study: Supporting Friends Groups

We currently support 17 Friends Groups that help to conserve, protect and enhance our natural areas. The Friends Groups conduct activities such as revegetation works, weed control, flora and fauna surveys, removing litter and guided nature walks. Friends Groups often also work with local schools to encourage students to become actively involved with conservation of their natural environment. You can get involved with your local Friends Group and help to conserve bushland near you.



Friends of Yellagonga Regional Park celebrating 30 years as a Friends Group

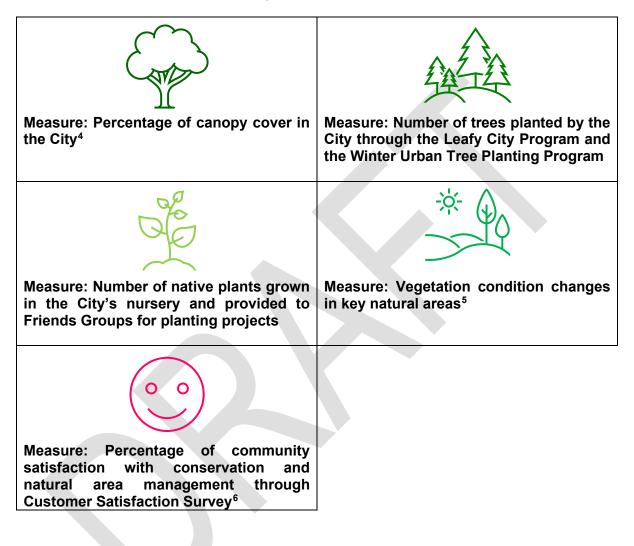
What we plan on doing

We plan on continuing to implement the following plans to protect or enhance biodiversity:

- <u>Natural Area Management Plans</u>
- Yellagonga Integrated Catchment Management Plan 2021 2026
- Weed Management Plan 2023 2033
- Pathogen Management Plan 2018 2028.

Annual Performance Measures

The following Annual Performance Measures will be reported showing a 5 year trend, where relevant. Additional targets and indicators are included in relevant issue specific environmental plans and will also be reported annually.



⁴ Canopy cover is measured every two years.

⁵ Measured by the percentage change in good or better vegetation condition of two major conservation areas annually using vegetation condition assessments on a five yearly schedule.

⁶ Customer Satisfaction Survey is undertaken every two years.

Strategic Community Plan Outcomes:

- Managed and protected you value and enjoy the biodiversity in local bushland, wetland and coastal areas.
- Responsible and efficient you benefit from a responsible and efficient use of natural resources.

We aim to manage water sustainably to balance the provision of water services within operations, facilities and public open space for the community with the protection of water resources in a drying climate with a growing population. Scheme water is used within the City's buildings and facilities whilst groundwater is utilised for the irrigation of parks and reserves managed by the City. The City conducts sustainable water management through water conservation and water quality management.

The City is located within the Gnangara Groundwater System which is the largest source of good quality, fresh water in the Perth region and supports nationally significant groundwater dependent ecosystems such as the Yellagonga Regional Park wetlands.

We aim to be a leading waterwise community and play a role in promoting water conservation and water efficiency with the community, in partnership with state government. The City was recognised as a Platinum Waterwise Council in 2022 and received a Water Sensitive Cities Award in 2021 for demonstrating extraordinary waterwise leadership and water sensitive practices.

Threats

There are a range of threats to the City's water management including:

- Drying climate with higher temperatures, more frequent hot days, reduced rainfall, increased drought, increased evaporation and reduced soil moisture⁷
- Requirements from state government to reduce groundwater consumption due to climate impacts on water resources
- Increased provision services, facilities and green public open spaces to service a growing population
- Altered water levels in Yellagonga Regional Park wetlands from the additional local recharge to groundwater because of urbanisation
- Impacts of pollutants on receiving water bodies from the urban environment.

What we currently do

We currently implement a range of plans, projects and initiatives to manage water sustainably including the following key initiatives that are conducted annually:



Yellagonga Integrated Catchment Management – we co-manage Yellagonga Regional Park with the City of Wanneroo and DBCA to address environmental threats and conserve the ecological values of the Park.

⁷ DWER (2021)

	Waterwise Council Program – we have been a Waterwise Council since 2010/11 and a Gold Waterwise Council since 2015/16. Craigie Leisure Centre is also a Gold Waterwise Aquatic Centre. We implement waterwise initiatives for the community through the Waterwise Greening Scheme.
\bigcirc	Smart control groundwater irrigation system – we implement a web- based central control system to monitor, adjust and maintain its irrigation system in real time improving efficiency and conserving water.
× O	Parks Development Program – we allow for the upgrade, renewal and refurbishment of park landscaping and irrigation including implementation of hydrozoning and ecozoning and reducing irrigated areas.
	Sump Beautification Project – we implement Water Sensitive Urban Design principles and upgrade existing sumps to improve drainage function, treatment and amenity.

Case Study: Waterwise Verge Rebate Program

We delivered our first ever highly successful Waterwise Verge Rebate Program in 2022/23. The Program resulted in 101 residents replacing their grass, synthetic lawn and hardstand materials such as paving with waterwise native plants. Waterwise verge gardens provide many benefits including increasing biodiversity and canopy cover, providing ecological corridors and habitat for local wildlife, creating a cooling effect, reducing water consumption and improving streetscape amenity.



Waterwise verge makeover in Padbury

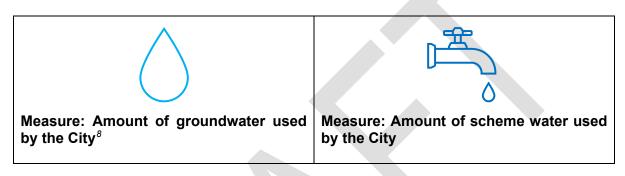
What we plan on doing

We plan on continuing to implement the following plans to manage water sustainably:

- Waterwise Council Action Plan 2021 2026
- Yellagonga Integrated Catchment Management Plan 2021 2026.

Annual Performance Measures

The following Annual Performance Measures will be reported showing a 5 year trend, where relevant. Additional targets and indicators are included in relevant issue specific environmental plans and will also be reported annually.



⁸ The City's total groundwater allocation is set by the Department of Water and Environmental Regulation.

Climate Change

Strategic Community Plan Outcomes:

- Responsible and efficient you benefit from a responsible and efficient use of natural resources.
- Resilient and prepared you understand and are prepared for the impacts of climate change and natural disasters.

Climate change affects a number of areas that the City is responsible for including infrastructure, assets, health services, water management, emergency management, urban forest and the natural environment.

In 2090, it is expected that the City of Joondalup will be hotter and drier with less rainfall in winter and spring, however there is likely to be increased intensity of heavy rainfall events. There is likely to be more frequent hot days with the number of days over 35°C more than doubling as compared to 1981 - 2010.

Responding effectively to climate change is the responsibility of all spheres of government as well as businesses and the community and involves preventing and reducing greenhouse gas emissions (mitigation) and adapting to climate change impacts as they occur (adaptation).

Threats

There are a range of climate change projections for the City including:

- Higher temperatures
- Hotter and more frequent hot days
- Increased bushfire risks
- Decreased rainfall and reduced water availability
- Increased intensity of heavy rainfall events
- Increased evaporation rates, reduced soil moisture and runoff
- Sea level rise resulting in coastal erosion.9

What we currently do

We currently implement a range of plans, projects and initiatives to address climate change including the following key initiatives that are conducted annually:

Coastal Adaptation Planning and Implementation Program – we plan for the future impacts of climate change and integrate climate adaptation into our services and functions.	
Environmentally Sustainable Design - we aim to integrate principles of environmental sustainability into the design and construction of City owned buildings through the application of the Environmentally Sustainable Design for City Buildings Policy. The City's Environmentally Sustainable Design Local Planning Policy encourages the incorporation of sustainable development practices into residential, commercial and mixed-use buildings.	

× E	Renewable Energy Program – we have been increasing the amount of renewable energy production through the installation of solar panel systems on 19 City buildings and battery storage systems on 2 City buildings. We also have 22 solar hot water systems across 12 different locations and use geothermal heating to heat the pools at Craigie Leisure Centre.
$\langle \varphi_{\!$	Renewable Energy Procurement – we have joined 50 WA local governments to purchase renewable energy for contestable electricity through a Power Purchase Agreement to reduce greenhouse gas emissions, commencing in 2022.
ኯ፟፟፟፟፟፟ቚ፟ኯ፟ ቚ፟፟፟፟፟፟፟፟፟ቚ፟፟፟፟፟፟፟፟፟ቚ፟፟፟፟	Green Office Program – we implement a cultural change program targeting City staff to promote more sustainable behaviours and attitudes within their everyday work life.
	Street Lighting Efficiency Project – we have been upgrading City owned street lights to LEDs with smart lighting controls to increase efficiency and reduce greenhouse gas emissions. We have also been advocating for upgrades to Western Power owned street lighting.
	Offset fleet emissions – we purchase carbon offsets for 100% of the City's fleet emissions and have commenced transitioning light fleet vehicles to electric vehicles to reduce emissions.
Š	Sustainable transport – we support the use of sustainable transport through implementing cycling infrastructure such as pathways, bike parking and signage within the City. We also raise the awareness of cycling and its benefits within the community through the Environmental Education Program.

Case Study: Street Lighting Efficiency Project

We have been upgrading City owned street lighting, such as streetlights, lights in parks, parking lots and underpasses, to energy efficient LED lighting with smart lighting controls. LED lighting consumes less energy whilst producing increased illumination compared to older mercury systems.



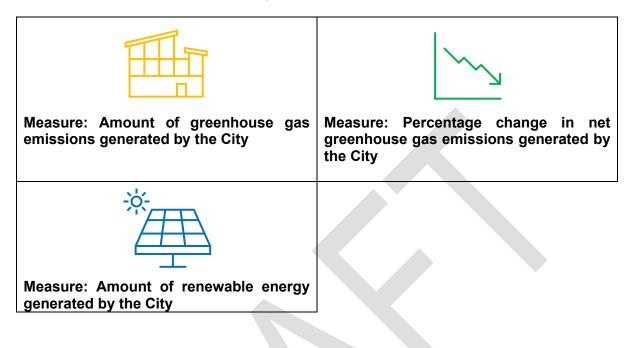
What we plan on doing

We plan on continuing to implement the following plans to address climate change:

- Finalise Climate Change Plan 2024 2034
- Coastal Infrastructure Adaptation Plan 2018 2026
- Bushfire Risk Management Plan 2018 2023.
- Progress development of Coastal Hazard Risk Management and Adaptation Plan in collaboration with the community.

Annual Performance Measures

The following Annual Performance Measures will be reported showing a 5 year trend, where relevant. Additional targets and indicators are included in relevant issue specific environmental plans and will also be reported annually.



Strategic Community Plan Outcome:

• Clean and sustainable – you are supported to minimise waste and live sustainably in a clean environment.

Our waste management practices align with the objectives of the State Waste Avoidance and Resource Recovery (WARR) Strategy 2030 including avoiding waste generation, increasing resource recovery and protecting the environment by managing waste responsibly. We focus on improving our waste practices and providing the groundwork to inform the long-term planning for waste.

The WARR Strategy includes the vision that Western Australia will become a sustainable, lowwaste, circular economy in which human health and the environment are protected from the impacts of waste. The Strategy also includes targets to increase material recovery to 75% and a 20% reduction in waste generation per capita by 2030.¹⁰

Threats

Key drivers and threats for improving the City's waste management practices include:

- Reaching diversion targets included in the WARR Strategy
- Reducing environmental impacts from disposing waste to landfill
- Increasing costs for disposing waste to landfill
- High levels of waste from the City and the community and encouraging behaviour change
- Availability and cost of appropriate waste infrastructure.

What we currently do

We currently implement a range of plans, projects and initiatives to manage waste including the following key initiatives that are conducted annually:

Waste management - we are responsible for the collection of residential waste and manage corporate and household waste through a number of methods and facilities:
 Materials Recovery Facility – items from the yellow lidded bins are processed at the recovery facility and the products are sold on/off shore to the various recycling markets. Any contaminated (non recyclable) items are sent to landfill for disposal. Greens recycling – green waste (i.e. tree prunings etc) that is collected through residential three bin system, the bulk verge greens collection or taken to the greens recycling facility is recycled into mulch products. Landfill – the residual waste that the City is unable to recycle or recover is sent to landfill.
Waste Education Program – we implement a Waste Education Program for the community and staff to encourage the minimisation of waste and appropriate recycling.

¹⁰ Waste Authority (2019)



Litter management – we collect litter from our public open space, verges, medians and natural areas. We also support community litter collection and prevention activities.

Case Study: Recycled Waste for Road Upgrades

We have been using recycled waste and innovative methods to construct asphalt in road upgrades in Duncraig, Warwick, Joondalup and Padbury. We were one of the first local governments in WA to use Reconophalt, which incorporates recycled waste materials into a road surface. We used recycled waste materials to resurface a section of road in Duncraig. The recycled materials were all previously destined for landfill and included waste toner from about 4,950 printer cartridges, over 200,000 single-use plastic shopping bags, scrap rubber from over 150 tyres and more than 27 tonnes of recycled asphalt.

Another example of our road upgrades using recycled waste, is the successful reuse of 90-95% of 1,430 tonnes of our own waste materials (asphalt) in a road construction basecourse treatment in Warwick, Joondalup and Padbury.



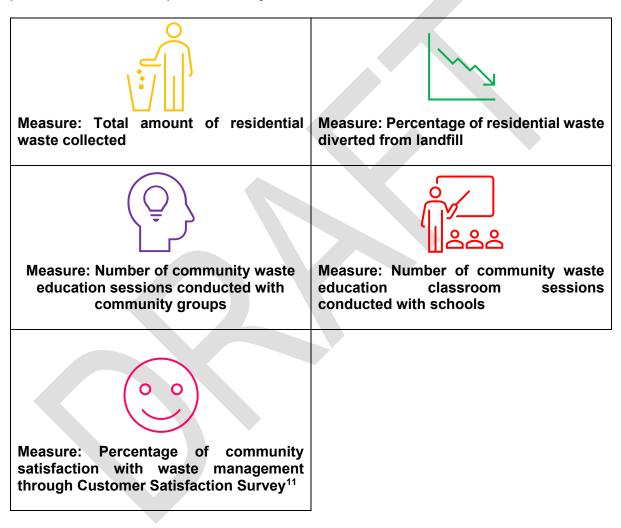
What we plan on doing

We plan on continuing to implement the following plan to manage waste:

• Local Government Waste Plan.

Annual Performance Measures

The following Annual Performance Measures will be reported showing a 5 year trend, where relevant. Additional targets and indicators are included in relevant issue specific environmental plans and will also be reported annually.



¹¹ Customer Satisfaction Survey is undertaken every two years.

Implementation

Effective and coordinated implementation of the draft Environment Strategy is critical to achieving the objectives of the Plan. Implementation of the Plan will be coordinated through monitoring and review processes.

Monitoring

In line with the City's Project Management Framework, the *Environment Strategy* 2024 – 2034 will be reviewed on an annual basis. The review will include an:

- Assessment of the progress and status of each proposed action
- Assessment of progress towards the annual performance measures which will be reported as a 5 year trend, where relevant
- Identification of any implementation issues or significant lack in progress.

Reporting

The outcomes of the Environment Strategy review including performance measures and progress of actions will be reported in the Corporate Business Plan quarterly report and annually in the Annual Report and State of the Environment Report.

References

Brundrett, M., 2021, One biodiversity hotspot to rule them all: southwestern Australia—an extraordinary evolutionary centre for plant functional and taxonomic diversity, *Journal of the Royal* Society of Western Australia, 104: 91-122: <u>https://www.rswa.org.au/publications/journal/104/RSWA%20104%20p91-122%20Brundrett.pdf</u>

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Appendix – Relevant Federal, State and Local Legislation, Policies and Frameworks

Federal Legislation

Climate Change Act 2022 Environment Protection and Biodiversity Conservation Act 1999 Recycling and Waste Reduction Act 2020

State Legislation

Aboriginal Heritage Act 1972 Biosecurity and Agriculture Management Act 2007 Biodiversity Conservation Act 2016 Bush Fires Act 1954 Environmental Protection Act 1986 Local Government Act 1995 Rights in Water and Irrigation Act 1914 Waste Avoidance and Resource Recovery Act 2007

City of Joondalup Policies and Frameworks

Coastal Local Planning Policy Community Funding Program Council Policy Container Deposit Scheme Infrastructure Local Planning Policy Environmentally Sustainable Design for City Buildings Policy Environmentally Sustainable Design Local Planning Policy Public Open Space Framework Stormwater Management Council Policy Sustainability Council Policy Vandalism to Vegetation on City Land Council Policy