



One Planet Living Annual Report

2021/2022FY



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"The City of Fremantle acknowledges the Whadjuk people as the traditional owners of the greater Fremantle/Walyalup area and we recognise that their cultural and heritage beliefs are still important to the living Whadjuk people today. We respect the Whadjuk people's spiritual relationship with their country. We pay our respect to Elders past, present and future."

Introduction

The City of Fremantle (the City) has a strong commitment to improving the quality of life of its community and enhancing the environment in which we are dependent upon. The City has used One Planet Living to set the agenda for sustainability throughout the organisation, advocating the vision of:

A sustainable world where people lead healthy and prosperous lives recognising our dependency on the environment and limits to the earths' resources.

Significant progress has been made in the 2021/2022 financial year delivering sustainable outcomes for the Fremantle community. This Annual Report highlights key projects implemented under the One Planet Living Principles and progress on actions and targets as set out the City's *One Planet Living Action Plan 2020–25*.

Notable achievements in the year

- Programs connecting seniors and supporting neighbours
- Plastic Free Declaration
- Successful roll out of Sustainable Fremantle Events
- Continued progress in Aboriginal Reconciliation
- Opening of the Walyalup Koort and Civic Centre
- Conservation works on the heritage Round House and Art Centre
- Planting trees to grow an urban forest
- Gold Water Wise accreditation
- Agreement to procure 100% renewable energy
- Increased diversion of waste from landfill
- Harnessing waste into organic by-products
- FOGO in apartments
- Bicycle lane and pedestrian pathway upgrades
- Port Beach erosion protection
- Sustainable built form incentives.

Our Setting

The Fremantle local government authority in Western Australia is 19km² in area servicing 31,930 residents across eight suburbs. Bounded by the Indian Ocean to the west and incorporating the Swan River in the north, it is situated on the Fremantle Harbour which has greatly contributed to its economy and character throughout time.

Today, Fremantle is a revitalising inner-metropolitan city retaining with a diverse population. It's unique character is rich in heritage, architecture, art and music, arguably making it the cultural capital of Perth. Its historical roots have contributed to a vibrant culinary and café scene, with nightlife and entertainment options. At the heart of our city are people from diverse backgrounds where many share a common interest—sustainability in their community.

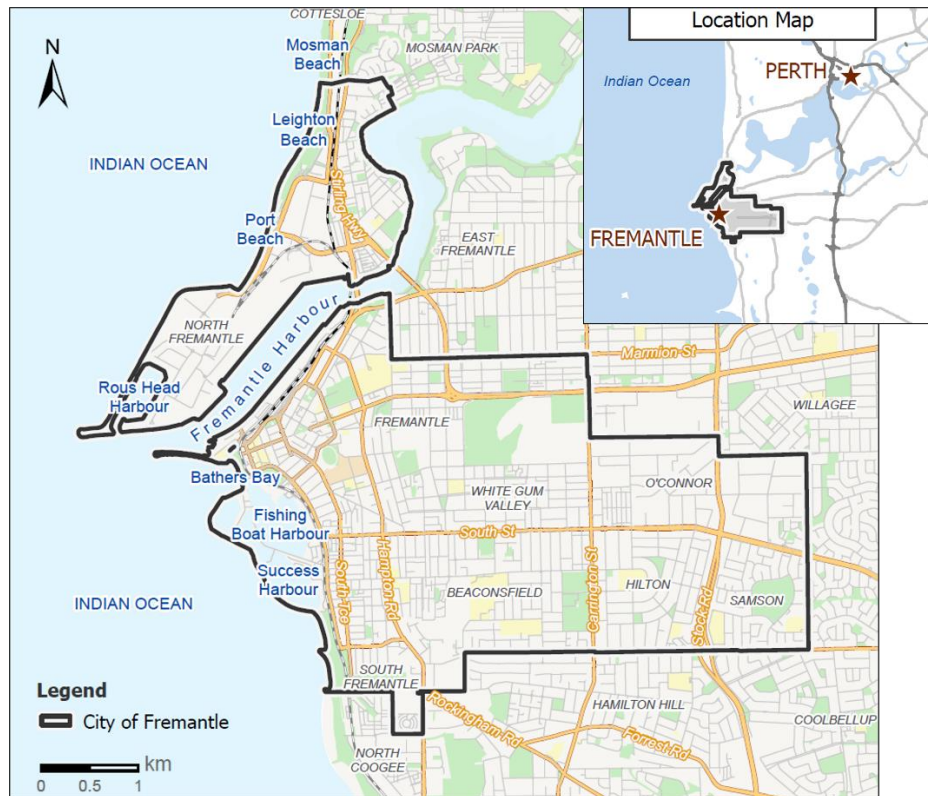


Figure 1. Map of Fremantle Local Government Area

Fremantle offers a diverse range of housing options, exceptional access to public transport with the trainline to Perth, and many key landmarks popular with tourists receiving one million visitors a year. The primary land use is residential with areas of significant industrial, hospitality and commercial land use, as well as coastal and river parkland and urban open space. Its key local industries include port and shipping, hospital and community services, tertiary educational institutions, regional and state government services, tourism, retail and the arts.

The area is in the process of gentrifying as population growth drives demand for well-serviced housing and redevelopment. According to modelling of Australian Bureau of Statistics (ABS) data, the population is expected to grow by over 7,300 people to the year 2036. Nearly 40% of dwellings are medium to high density with new developments supporting population growth. A disparity exists with higher proportions of both very low cost and high-cost dwellings, compared with metropolitan averages. Social housing is less than 10% of all dwellings, which has nearly halved since 2001, and a high homelessness rate per 10,000 persons, five times higher compared to Perth metropolitan area.

The 2021 ABS Census recorded over 30 different faiths and 35% of people born overseas. The proportion of Aboriginal and Torres Strait Islander People is 1.7%. Nearly a quarter of the population is 25 years old or younger, and one fifth is older than 65 years of age. These demographics reflect the City’s focus on programs to support and engage with seniors and youth. One third of houses are lone households, over a quarter are couples without children, nearly two thirds are family households with children.

Fremantle has a varied income profile, illustrating the diversity of the population. Most suburbs have a slightly higher household income compared to the greater Perth metropolitan area. The labour force in Fremantle is largely employed in hospitals, cafes/restaurants, higher education, primary education, and social assistance services.

Over the past several years, revitalising central Fremantle and constructing major new civic and commercial assets in the city centre has been a priority, in particular the Walyalup Civic Centre and Fremantle Park Sports and Community Centre. Many heritage buildings have also had significant conservation works. The City is now turning its investment to the suburbs ensuring residents have access to the type of facilities and services that make Fremantle a vibrant city. This includes the renewal of community assets and suburban infrastructure such as parks, beaches, and sporting facilities, Fremantle Golf Course, Fremantle Markets, and upgrading roads, footpaths and bike infrastructure.

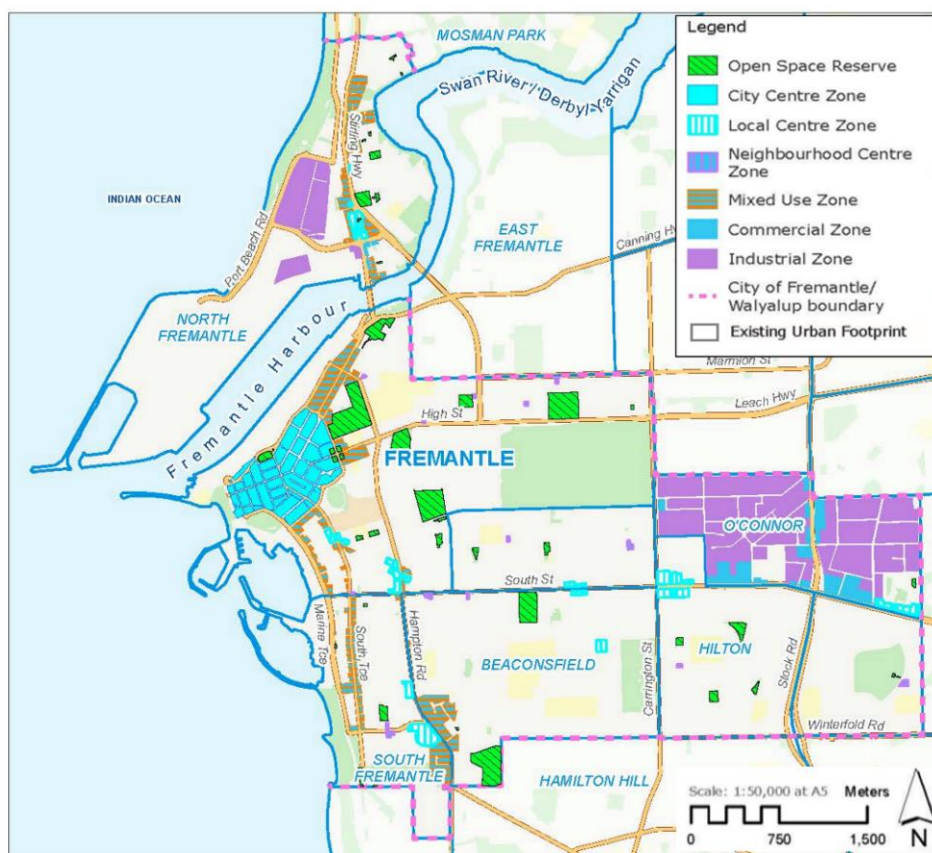


Figure 2. Key Land Uses

One Planet Living

One Planet Living outlines ten key principles to capture sustainability across environmental management, social and cultural development, and economic prosperity. The City has embedded the One Planet Living (OPL) principles across our organisational services, programs and activities. Each principle has desired outcomes to plan, deliver and communicate sustainability. The focus on outcomes is critical in driving management plans, ensuring that benefits and impacts are considered.

	<p>Health and Wellbeing</p> <p>Enhance individual wellbeing and social cohesiveness for a more resilient community</p>		<p>Local Food</p> <p>Promote healthy and accessible lifestyles, and reduce pollutants from farming</p>
	<p>Equity and Local Economy</p> <p>Promote local prosperity, and fair places to live, work and visit to foster viability</p>		<p>Sustainable Materials</p> <p>Reduce consumption of materials and creation of waste through sustainable procurement</p>
	<p>Culture and Community</p> <p>Nurture cultural identity and conserve heritage to empower communities</p>		<p>Sustainable Transport</p> <p>Enhance movement and liveability, and reduce transport emissions causing climate change</p>
	<p>Land and Nature</p> <p>Protect land and wildlife, and rehabilitate landscapes to maintain biodiverse ecosystems</p>		<p>Zero Waste</p> <p>Conserve natural resources and reduce-reuse-recycle to avoid harmful greenhouse gas emissions from waste</p>
	<p>Sustainable Water</p> <p>Conserve local water resources and increase water efficiencies to enhance climate change resilience</p>		<p>Zero Carbon</p> <p>Avoid harmful greenhouse gas emissions to reduce the rate and impacts of climate change</p>

Figure 3. OPL Principles and Outcomes

In 2015, the City received international endorsement as a One Planet City, becoming the first Council to achieve this in Australia. Our One Planet Living Action Plan 2020–25 (Action Plan) sets out our key actions to move towards a sustainable future. It is a detailed list guiding the City’s operations and how it can better work with businesses and the community.

Our commitment to sustainability is reflected in the City’s Strategic Community Plan 2015-25 (SCP), which sets out the vision, outcomes and objectives for the local community over a 10 years timeframe. The Action Plan aligns its principles and outcomes directly or indirectly to the goals and objectives in the SCP. This work is supported by several detailed strategies including the:

- Water Conservation and Efficiency Plan 2020–2025
- Waste Management Action Plan 2020–2025
- Bike Plan 2019-2024
- Climate Change Adaptation Plan 2019
- Coastal Adaptation Plans-South Fremantle, Port, Leighton and Mosman Beaches, various
- Greening Fremantle Strategy 2020
- Urban Forest Plan 2017
- Integrated Transport Strategy 2015
- Fremantle Bike Plan 2019–2024
- Corporate Energy Plan 2017
- Access and Inclusion Plan 2020–2025
- Age Friendly City Plan 2019–2024
- Destination Marketing Strategic Plan 2018-22
- Equal Employment Opportunity and Diversity Plan 2020–2024
- Walyalup Reconciliation Action Plan 2019–2022
- Economic Development Strategy 2015–2020
- Interim Economic Development Implementation Plan 2020–2022.

After six years as an accredited international One Planet leader our Action Plan provides a clear pathway forward and better integration with the City’s corporate planning processes.

Annual Review FY2021/2022

The City reports internationally to Bioregional UK for peer review on our sustainability achievements on an annual basis. We track the delivery of outcomes set out in the Action Plan under each of the sustainability principles. This Annual Report for the 2021/2022 financial year documents our progress in implementing actions, programs, and initiatives. It provides a snapshot of key projects carried out throughout the year to highlight sustainability efforts across the entire organisation and summarises progress of actions and achievement of targets.

Monitoring and reporting are critical in measuring our impact in achieving sustainability. It helps in celebrating successes and identifying areas that need further resources. This process provides the opportunity to continuously improve our operations, contributing to better outcomes for the city.

Through the City’s continued One Planet accreditation, our local efforts are recognised as world's best practice. Importantly, the City can use this report as a platform to engage with internal and external partners, inspiring the whole city to work together towards in creating a sustainable future.



Reconnecting Post COVID

The City secured a \$97,000 grant from Lotterywest for projects to help the community reconnect and recover from the impact of COVID-19. Building on the City's successful 'Neighbour to Neighbour' initiative, the Lotterywest funding helped people in need to access local support services. The grants also helped to recover and activate places and spaces to bring people back to Fremantle and create opportunities for interaction and connection.



Neighbour to Neighbour

The Neighbour to Neighbour program was awarded with the 2021 Resilient Australia WA Award. The program was created during the COVID-19 lockdown to connect vulnerable people in our community with volunteers to help with simple errands like walking the dog or picking up the groceries. Throughout 2021/22 financial year, 26 Neighbour to Neighbour connections were made, of which 21 were noted as residents over 55 years in need of support.

Youth Week 'Courage to Change'

Co-designed with the support of Fremantle Youth Network, a range of events and activities were delivered across the city during Youth Week WA. The Esplanade Youth Plaza came alive for an event with scooter, skateboarding, parkour and circus workshops, set to a fresh line-up of youth performers as the soundtrack. Also throughout the week was coaching workshops for BMX, scooter, parkour, skateboarding and a Mindfulness Movement meditation. The themed 'Courage to Change' aimed to empower young people aged 10–25 years to form opinions, shape decision-making and enact change.





Positive Ageing

The Positive Ageing Assistance Initiative provides funding for home maintenance support for people over 55 years young and on low incomes. This initiative provides \$150 per person annually to vulnerable seniors and those at housing risk. A Positive Ageing Expo was held at the Walyalup Civic Centre as a collaborative effort with neighbouring local governments. About 400 senior people attended to event to gain information from stallholders sharing information about their community services.



Lifelong Learning

The Lifelong Learning program provided a variety of high value educational classes and social opportunities, such as language lessons, crafts, and technology training. Many classes were held at the Meeting Place with over 70 activities including social groups, courses and workshops, presentations, and social support activities.

Health and Wellbeing		Enhance individual wellbeing and social cohesiveness for a more resilient community					
Maintain levels of community volunteering work The City is on track to meet this target with over 20% of people volunteering, higher than the previous year	Strategies and Policies (Action 1)	Progress	Social, Cultural, Recreational programs (Action 12)	Progress	Inclusive community (Action 13)	Progress	
	Develop and implement Access and Inclusion Plan 2020-2025	On track	Deliver activities and programs that engage young people	On track	Provide programs that centre around community volunteers	On track	
	Implement the Age Friendly City Plan 2019-2024	On track	Deliver education and cultural awareness raising programs	On track	Provide a range of legal services to low income members of the community	On track	
	Develop and implement the Equal Employment Opportunity (EEO) Plan 202-2024	On track	Maintain the City's Lifelong Learning program	On track	Deliver education and cultural awareness raising programs	On track	
	Develop a Recreational Plan	Behind Schedule	Develop Neighbour to Neighbour program	On track			

Figure 4. Health and Wellbeing Action and Target Progress



Equity and Local Economy

Earth Blends Coffee

The City purchased Earth Blends freeze dried coffee from a 100% Indigenous-owned business Kulbardi. The company donate 25% of their net profits to Whitelion, a charity dedicated to building positive connections and pathways to work with young people at-risk. They also use recyclable packaging through the Loop initiative. Earth Blends Coffee artwork is beautifully designed by young Aboriginal people involved in programs by Whitelion's partnership with Cullacabardee Aboriginal Community. Whitelion have been supporting at-risk youth to reach their greater potential. Its focus on youth justice is recognised as making a real difference in young people's lives. Increasing procurement of goods and services from Aboriginal and Torres Strait Islander Businesses is one of the focus areas of the City's Walyalup Reconciliation Action Plan 2019–22 (WRAP).



Destination Marketing

A new marketing campaign was launched to draw visitors back to Fremantle once interstate and international borders reopened post COVID-19 lockdowns. The destination marketing campaign built on 'This is Fremantle', showcased the diversity of the city while it highlighted the many new attractions that opened over the past few years. Branding Fremantle as a place to live, work, and visit, with nightlife, activated places and unique local shopping. The new campaign included two new videos, supported by photographs and editorial content, distributed through YouTube, social media platforms including Facebook, Instagram and TikTok. There were also sponsored articles on lifestyle websites, streaming services SBS on Demand, 10play, and digital billboards shown around Perth.





Equity and Local Economy

Opening of Walyalup Koort

The official opening of Walyalup Koort was celebrated with a Community Open Day. Visitors toured the new customer service centre, Council chamber, library, local history centre, and community spaces. Walyalup Koort includes a nature playground, public facilities, and the new civic precinct FOMO (Fremantle on my own) the one-stop destination for dining retail, food and entertainment. Walyalup Koort is a major city centre revitalisation project with various tenancies to transform the civic heart of Fremantle.



In a step towards reconciliation, the site previously named Kings Square was renamed to Walyalup Koort. In the local Whadjuk Nyoongar language, Walyalup means the area that includes Fremantle, and Koort means heart – the heart of Fremantle.

Inclusive Businesses

The City provided regular content for the Business newsletter under the section 'Inclusion is everyone's business'. The aim is to foster a greater understanding and awareness of people with a disability, and those from culturally and linguistically diverse backgrounds and the LGBTQIA+ community. Topics have included 'Guide Dogs can go everywhere', 'Understanding Dementia', 'Autism Awareness' with many more inclusive messages and links to further information to come.

Equity and Local Economy		Promote local prosperity, and fair places to live, work and visit to foster viability					
4% of City employees are Aboriginal and/or Torres Strait Islander peoples The City is not on track to meet this target at 2.1%, which is at the same level as last financial year	Strategies and Policy (Action 2.1)	Progress	Ethical Procurement (Action 2.2)	Progress	Employment and Business support (Action 2.3)	Progress	
	Review the Economic Development Strategy 2020-2025	Behind Schedule	Purchase fair trade goods	Completed	Address Aboriginal and Torres Strait Islander employment externally	In Progress	
	Implement Equal Employment Opportunity Plan to increase Aboriginal and Torres Strait Islander employment within Council	On track	Improve procurement of Aboriginal and Torres Strait Islander services	In Progress	Provide support for businesses relating to inclusivity	On track	
	At the Fremantle Arts Centre, increase Aboriginal and Torres Strait Islander artists	On track	Promote "shop local" and local commerce	On track			

Figure 5. Equity and Local Economy Action and Target Progress



Arthur Head Historic Round House Conservation

Important conservation works were carried out at the historic site of Arthur Head, one of Western Australia's most significant heritage asset areas. The Round House at Arthur Head was the first permanent building in the Swan River Colony and is the oldest public building still standing in Western Australia. It was built as a jail and opened in 1831 with the Whalers Tunnel added in 1838. The Round House is built from the



limestone cliff upon which it sits, but over time it is becoming severely eroded. The conservation works constructed a large limestone retaining wall, restored the stairs at the entrance to the Whalers Tunnel and repaired the building. Other works rehabilitated the surrounding landscape, upgraded pathways, and interpretative signage and artwork on the Whadjuk Nyoongar and colonial history.

Walyalup Aboriginal Cultural Centre

The Walyalup Aboriginal Cultural Centre (WACC), located within an old workers cottage at Arthur Head, is dedicated to creating an inclusive space promoting Aboriginal art and culture. Throughout the year various exhibitions and workshops showcased local Aboriginal art, culture and history, as well as film screenings, singing, dancing and storytelling. Exhibitions included Aboriginal weaving and dot painting. Workshops



and programs coincide with the six Nyoongar seasons, such as Bush Tucker, Makuru Community Canvas, and Nyoongar Language Classes. Walyalup Cultural Walking tours were held to acknowledge the land of the Whadjuk people, and learn about the traditional way of life of the Nyoongar people, their spiritual connection to the country, the river and the animals that inhabit Nyoongar Boodja, plus dreamtime stories of the Walyalup area. Cultural Awareness Training workshops were held to raise awareness of Aboriginal and Torres Strait Islander culture and historic



experiences, including how colonial dispossession continues to have a lingering impact on Aboriginal peoples.

Fremantle Arts Centre Conservation Plan

A conservation management plan (CMP) was adopted for the Fremantle Arts Centre heritage building. Built in Australian Gothic architecture in the 1860s by convicts, it opened as a Lunatic Asylum and Invalid Depot, and also served as a US Navy submarine depot during World War II. Each year it has over 500,000 people attending exhibitions, music events, courses and gift shop. The CMP sets out \$4.95 million of conservation works, including repairs to the roof, walls,



structure, fit out, fixtures and surrounding infrastructure. This will ensure it is preserved to meet the growing public demands placed on the buildings and site.

Revealed Art Exhibition 2022

'Revealed' exhibition showcased new and emerging Aboriginal artists with over 250 works featuring artists from 29 Aboriginal Art Centres and nine independent artists. Fremantle Arts Centre's was filled with a vibrant breadth of painting, installation, textiles, photography, print media, video, jewellery, weaving and sculpture.

Culture and Community		Nurture cultural identity and conserve heritage to empower communities					
Maintain an informed, aware and engaged community The City is on track to meet this target with My Say Freo site visitors at 37,200 people	Strategies and Policy (Action 3.1)	Progress	Conserve Heritage (Action 3.2)	Progress	Community engagement (Action 3.3)	Progress	
	Implement Walyalup Reconciliation Plan	On track	Annually update heritage place protection	Completed	Maintain usage of My Say Freo	On track	
	Aboriginal and Torres Strait Islander artists at the Fremantle Arts Centre	On track	Develop and maintain Conservation Management Plans for City managed heritage assets	On track	Provide opportunities for civic engagement on all major City projects	On track	

Figure 6. Culture and Community Action and Target Progress



Port Beach Sand Nourishment

Port Beach is a coastal erosion hotspot and its protection has been supported by a \$3.25 million WA Recovery Plan grant. The Port Beach Sand Nourishment project commenced replenishing sand lost from the beach in heavy winter storms. It involves 'rainbowing' sand dredged from a deep water channel into the nearshore area of Port Beach. About 78,000m³ of sand was placed onto Port Beach, which is about half of the total volume expected for the staged project over the next two years. The works include dredging, placement of the sand, removal of small rocks and granite boulders from the beach as well as dune stabilisation and access paths. These works follow the construction of a rockwall last year to protect the surf club annex, change rooms, and the Coast Port Beach restaurant.



Community Planting days

Several community tree planting days were held in May in the leadup to winter 2022. Events were held in Samson Park at McCombe Street where 1,470 native seedlings were planted. Also Booyeembara Park south of the amphitheatre, Prawn Bay at Johannah Street, North Fremantle, Clontarf Hill at Gordon Road Hamilton Hill, and Hollis Park at Daly Street, South Fremantle. Natives were planted throughout 21 events with Friends of Samson Park, Friends of Cantonment Hill, Friends of Hollis Park, Perth NRM, SERCUL, Studio School and various primary schools.





Growing an Urban Forest

Fremantle’s urban forest has continued to grow with 1,926 trees being planted over winter season. A total of 901 trees were planted in natural areas such as bushland, foreshore reserves, and coastal dunes, and 1,025 trees were planted in streets and parks. This exceeded the target in the City’s Urban Forest Plan by 846 trees. The aim is to increase the tree canopy area to at least 20% coverage by the year 2027. Increasing the tree canopy area will help cool suburban areas reducing the ‘Urban Heat Island effect’, as well providing habitats for local wildlife and beautifying our streets. An additional 208 trees were sourced with a Local Government Urban Canopy Grant. This included 16 species of WA native trees being planted at Booyeembara Park, Princess May Park, Hollis Park, Rocky Bay Reserve, Port Beach, Leighton Beach and Tydeman Road.



Figure 7. Land and Nature Action and Target Progress



Sustainable Water

Groundwater Irrigation Upgrades

Irrigation systems continued to be upgraded in City parks and landscapes to reduce ground water consumption and implement best practice in water conservation. Two major irrigation upgrades were installed at Alfred Road Park in North Fremantle, and Coral Park in South Fremantle. These were new fully inground irrigation systems with bore pumps, online signal controllers and flomag, and a new irrigation cabinet. Meters for reticulation are read monthly by Parks and Landscape. Upgrades to water metering technology provide more accurate monitoring information to effectively manage groundwater use and efficiency. Alfred Road Park has a border garden of native plants so that hydro zoning can be captured in the irrigation upgrade and turned off when conditions are suitable.



Waterwise Reporting

Fremantle Leisure Centre secured its Gold Status under the Waterwise program, in recognition of its initiatives to reduce water consumption and increase water use efficiency. Minor upgrades were completed at the Leisure Centre including new water efficient fixtures and fittings, the installation data loggers on water meters and monitoring for water leaks, an alert system, and the introduction of new operational procedures to minimise water use. Furthermore, the City's usage of drinking (potable scheme) water and groundwater (non-potable licenced) water continues to decrease from 2019 levels. Drinking water is 15% of total water usage, with the majority being used for irrigating parks, ovals and street trees.





Sustainable Water

Waterwise Verge Gardens

The City provides annual schemes to assist residents develop and maintain verge gardens. This includes a subsidised native plant scheme, free organic mulch, and free street trees. Mulching is an easy way to develop a water-wise native garden reducing evaporation loss. Residents are able to collect free mulch from the Fremantle Recycling Centre, and purchase low-cost native plants from the local nursery APACE. As well as advice on the best native types to grow that will require little watering after establishment.



Residents can also apply to have a street tree planted on their verge at no cost. An information booklet on how to create a native verge garden is available on the City’s website. Our Verge Garden Policy was reviewed and drafted as a Verge Garden and Tree Policy Review. Community engagement was undertaken via My Say with recommendations for a broader engagement program to be scoped.

Sustainable Water		Conserve local water resources and increase water efficiencies to enhance climate change resilience		
10% reduction of Corporate potable water usage from FY2018/19 levels over five years; and operate within set groundwater allocation The City achieved these targets as 12% reduction in Council's water usage; and groundwater abstraction was not exceeded.	Strategies and Policy (Action 5.1)	Progress	Water efficiency and improvements (Action 5.2)	Progress
	Develop a Stormwater Management Plan	Behind Schedule	Manage aquifer draw down and stormwater recharge	On track
	Implement the Water Efficiency and Management Plan 2020-2025	On track	Install water metering technology	In Progress
	Maintain Waterwise status for Council and Leisure Centre	Completed	Implement Groundwater Irrigation efficiency upgrades	On track
	Report annually on water usage to ABS Survey	Completed		

Figure 8. Sustainable Water Action and Target Progress



Community Gardens and Community Grants

The City's Community Grants scheme supported several local community urban food garden groups with funding of up to \$5,000 each. The grants assist the groups to establish food gardens but also to host events encouraging wider community participation, sharing knowledge, socially connecting, and encouraging sustainable living. The Annie Street Community Garden in Beaconsfield established an efficient reticulation system and includes a bush tucker garden, orchard and vegetable beds, and conducts workshops. The North Fremantle Social Farm grow food using organic and regenerative farming principles, and hosted a community planting day for its bush tucker garden. The Hilton Harvest Community Garden conducted a program to engage with the local Noongar Community to bring local language and culture into the program. This initiative will seek to embed Noongar food sustainability knowledge with seasonality, bush food, and flora and fauna. The Nannine Common community garden in White Gum Valley will establish a nature biodiversity strip of native plants, shrubs, and trees to encourage pollinating birds and insects, including the endangered Carnaby's Black Cockatoo.



Freo Farmers Markets New Home

The Freo Farmers Market support small local businesses and families shopping for affordable fresh local fruit and vegetables. The popular market was held on Sunday mornings on the front lawn of the Fremantle College in Beaconsfield. Unfortunately, the school asked the Market operator to vacate the premise as it required the land for new classrooms. The City of Fremantle and the Freo Market commenced discussions about a new location on the City's Bruce Lee Oval, Beaconsfield. The



Local Food

site would have abundant room for current and future stallholders to accommodate the oval and adjacent disused TAFE carpark site. The City hoped the bustling markets would help create a central hub of activity and reactivate the heart of the suburb. Discussions included a three year venue hire at an 80% discount rate.

Blue Economy

Trade in Western Australia, especially Fremantle, depends upon the sea. The 'blue economy' refers to food and materials harvested from the sea and the marine processes required for its acquisition. The City launched its 'Blue Gravity' partnership program aimed at attracting investment in ocean related innovations, technologies and companies. Marine based industries create 1,400 jobs within Fremantle and are a significant contributor to the City's local economy. Fremantle has a strong foundation upon which to grow and lead the blue economy. The Blue Gravity Program will deliver new investment and support to new and existing providers, high-impact ventures, start-up programs, and forums connecting key leaders, innovators, investors and talent.



Figure 9. Local Food Action and Target Progress



Sustainable Transport

Electric Vehicle Charging stations

Electric vehicle charging stations were installed in the Esplanade Reserve car park in four bays. The charging points are compatible with most electric vehicles. There are two standard 240 volt charging points able to charge current electric cars using suitable cables, and two 22 kilowatt charging points. Electric vehicles produce less carbon emissions with no tailpipe carbon emissions, although carbon emissions are produced from the generation of electricity. The City supports the transition to electric vehicles and sustainable travel reducing transport carbon emissions.



Bicycle infrastructure improvements

The City worked with the Department of Transport and Main Roads WA in the design of the new North Fremantle Principles Shared Path (PSP). The 2.1km PSP extension connects North Fremantle and Victoria Street train stations. The extension provides a safe route for over 600 cyclists and other walkers. Other improvements included: a green cycle lane on Marine Terrace to separate cyclists and vehicles; riley kerbs on South Terrace to avoid cars drifting into the cycle lane; a by-pass lane to the Parry Street roundabout; bicycle awareness zone symbols on South Terrace signalling shared bike and vehicle use; new bike lane at Parry Street roundabout; bicycle racks on South and Leighton Beaches, Marine and South Terraces, Parry and Collie Streets; improved





Sustainable Transport

connectivity with a McCombe Avenue cycle lane extension; Edmund Street cut-through for better bike and pedestrian access; and upgrades to the Fremantle Sailing Club shared-use cycle-footpath.

Fremantle-Cockburn Rapid Transit Link

A rapid transit link between Fremantle and Cockburn Central was added to the Infrastructure Australia Priority List. A rapid transit network connecting Fremantle with neighbouring urban centres would support the economic development of Fremantle. A functioning urban corridor will enable vital connections for people, link transit-oriented developments, and ease traffic congestion.



Safe Active Streets

South Terrace streetscape was upgraded with new paved sections of raised red asphalt and a colourful paint to alert motorists they're entering a shared space. The upgrades make it safer for pedestrians and provide more space along the café strip. The stretch of South Street through Hilton is a notorious accident hotspot. Variable speed signs were installed to reduce the speed limit to 40 km/h.



Sustainable Transport		Enhance movement and liveability, and reduce transport emissions causing climate change				
Reduce journey to work via private vehicle mode share to 45%; and maintain at least 50% of staff commuting without a car for the majority of the journey The City is on track to meet this target as staff private vehicle usage reduced to 50%, and cycling and walking increased by 6%	Integrate cycling, walking and public transport (Action 7.1)	Progress	City Infrastructure (Action 7.2)	Progress	Staff sustainable travel (Action 7.3)	Progress
	Implement Bike Plan 2019-2024	On track	Electrification and low emissions options for corporate fleet	In Progress	Develop updated Your Move map for Walyalup Civic Centre	Completed
	Pursue design integration of Fremantle-Perth principle shared pathway with traffic bridge and city	On track	Provide electric vehicle public car park recharging bays	Completed	Promote sustainable transport options in induction	In Progress
	Pursue design of 'Safe Active Streets' with Department of Transport	In Progress	Improve condition and accessibility of the footpath network	On track	Improve 'end of trip' facilities	In Progress

Figure 10. Sustainable Transport Action and Target Progress



Sustainable Materials

Sustainable Road Resurfacing

The City trialled two new products for re-surfacing local roads, Jetblack and Microsurfacing. The new bitumen emulsion product is applied as a thin layer of new material on top of the existing road, acting as a seal. These products avoid digging up the old road, disposing of the waste, and replacing it with more asphalt. Hence, providing a lower carbon footprint alternative. The road surface looks new and the voids are filled with mineral filler.

It enriches and extends the life of the road, providing both an environmentally friendly and less disruptive approach to conventional treatments.



Plastic Free Declaration

The City of Fremantle become the first local government in Australia to formally declare Plastic Free July. The initiative encourage residents and businesses to phase out of single-use plastics to end plastic waste pollution. A key initiative is a three-month trial of reusable takeaway coffee cups at a number of Fremantle cafes. The City banned the use of lightweight single-use plastic bags and prohibits the release of gas-filled balloons from local government property. As part of the National Recycling Week, the City held public workshops about Precious and Soft Plastics to raise awareness about its impact in our environment.



Sustainable Planning Policy Incentive

A new planning policy incentive was introduced to encourage sustainable buildings in subdivisions and redevelopments. The 'Split Density' Policy allows a higher density of houses to be built on a lot if certain sustainability criteria are met. For instance, increasing the energy efficiency of buildings or retaining existing heritage buildings or conserving heritage features. The aim is to create a more efficient and cleaner city, achieving more with less resources.



Sustainable Materials

Sustainable Events

After a successful two year trial, the City’s Sustainable Events Policy was permanently adopted without modification. The policy prohibits the use of single-use plastics at all City-run events. This includes straws, cutlery, bottles, cups, plates, containers, bags and cling-wrap. Single-use plastic straws are also banned from events organised by third parties, while event organisers are encouraged not to use other single-use plastics.



Sustainability Initiatives Checklist

All tender submissions above \$50,000 require a ‘sustainability initiative checklist’ outlining how the project meets the One Planet principles. This checklist is evaluated as part of the Project Initiation Documentation and can be tracked throughout the project at each of the contract milestones. Where practical, the City gives preference to contractors and suppliers that minimise environmental impacts and contribute to the local economy and community, such as minimal or no single use plastic in its content or packaging.

Sustainable Materials		Reduce consumption of materials and creation of waste through sustainable procurement		Sustainable Events (Action 8.2)		Sustainable Built Environment (Action 8.3)	
Reduce waste generated in the city centre by 20% over 5 years from FY2019 levels	Progress	Maintain and publish Council's sustainable procurement guidance	Completed	Review Sustainable Events Policy	Completed	Support sustainable urban form through the Local Planning Strategy and policies	Completed
The City is on track to meet this target at 10% reduction in 2022	On track	Request producers supply minimal, recyclable or biodegradable packaging	On track	Implement Sustainable Events Policy	On track	Use recycled and sustainable products in road/hard stand construction	On track

Figure 11. Sustainable Materials Action and Target Progress



Apartments go FOGO

The City was one of the first local governments in Western Australia to manage Food Organics, Garden Organics (FOGO) when the system was introduced to more than 11,000 households in 2019. Today, over 80% of households in Fremantle are using the system. A three-bin waste system has now been introduced to apartments in Fremantle with the addition of new green-lidded bin for organic waste, like kitchen scraps. The introduction of FOGO to apartments is an important step towards boosting recovery rates and reducing landfill. A total of 4,561 tonnes of residential organic waste was collected this financial year in Fremantle’s FOGO bins and diverted from landfill.



FOGO Compost

Instead of organic waste going to landfill and producing harmful methane emissions, the material collected in the FOGO bin is converted into high quality compost for use on farms, parks and gardens. The FOGO compost is available for sale at the Fremantle Recycling Centre. Certified compostable bin liners are supplied for free with the new three-bin FOGO caddy. These break down quickly in current FOGO processing conditions. The city also provides educational sessions for residents who would like one-on-one information.





Zero Waste

Containers for Change

Fremantle’s Recycling Centre celebrated its one year anniversary of operating Containers for Change scheme. This recycling initiative allows people to return eligible beverage containers to the City’s refund point and receive 10 cents per item. Over 4.1 million containers were recycled that year, which equates to 402 tonnes of glass, cans and plastic bottles, reducing waste going into landfill.



Container Exchange Points

A new community recycling scheme was introduced as a trial, Container Exchange Points, throughout the Fremantle metropolitan area. It allows for even more containers to be recycled at public waste bins by visitors, tourists and locals when out in public places. The side of the waste bins have a basket attached and can hold up to 100 drink containers. These are available for anyone to collect and return to a Containers for Change refund point and receive 10cents per item. Exchange points were installed at Walyalup Koort, High Street Mall, Pioneer Park and South Terrace.

Zero Waste		Conserve natural resources and reduce-reuse-recycle to avoid harmful greenhouse gas emissions from waste	
Meet WA state targets of 67% municipal solid waste diversion from landfill by 2025; and 70% diversion by 2030. The City is on track to meet these targets with 62% diversion in 2022	Reduce consumption, Re-use, and Recycle (Action 9.1)	Progress	
	Develop and Implement Waste Plan 2020-2025	On track	
	Prepare Local Planning Policies for waste management in new developments	Completed	
	Explore commercial Food Organic Garden Organic (FOGO) waste management	On track	
	Manage Waste (Action 9.2)	Progress	
	Develop and Operate Containers for Change refund point	Completed	
	Develop Household Hazardous Waste drop off centre	Completed	
	Reduce consumption, Re-use, and Recycle (Action 9.3)	Progress	
	Provide community education on waste and recycling	On track	
	Support community clean up days	Completed	
	Promote 'Responsible Cafes'	On track	

Figure 12. Zero Waste Action and Target Progress



Zero Carbon

Sustainable Energy Project

The City negotiated the supply of 100% renewable energy to displace its fossil fuel electricity consumption from its 14 top building and facility sites. Partnering with the WA Local Government Association (WALGA) and Synergy, the agreement will source renewable energy from Western Australian wind power farms in Albany, Collgar and Emu Downs. This will reduce our greenhouse gas emissions and save over hundreds of thousands in electricity bills.



LED Streetlight Replacement

More than 160 residential streetlights around Fremantle were replaced with new energy-efficient light emitting diode (LED) bulbs. Ordinary streetlights are a substantial cost to the City and ratepayers, and produce nearly a quarter of our total greenhouse gas emissions. LED lights use about half as much energy to run and last about five times longer than ordinary lights. LED lights are further planned to be installed in new car parks and sports facilities.

Solar Lights at South Beach Carpark

Preparations commenced to install four new solar renewable energy lights at South Beach Car Park. The lights will operate at 40% until activated by motion sensors. The SOLARPOLE are vertical solar panels designed to maximise solar energy and wind resistance. The photovoltaics contain slim mono-crystalline solar panel technology and a battery to operate at a high light output for 12 to 14 hours.

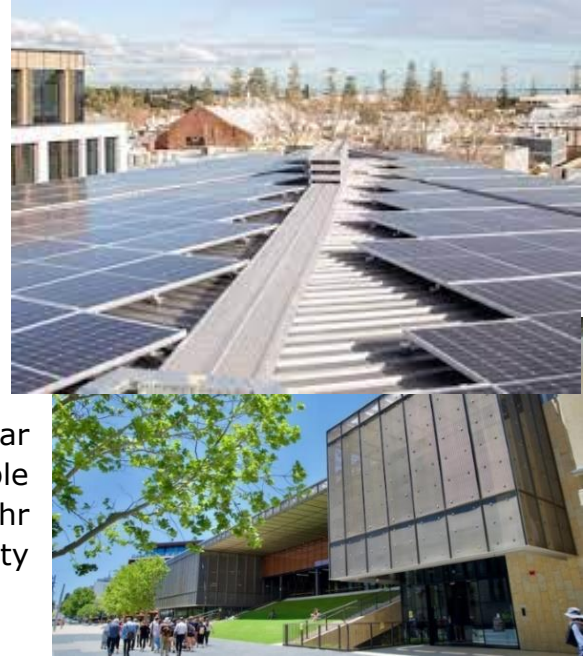




Zero Carbon

Walyalup Civic Centre

Construction of the City’s new head office in Walyalup Koort, High Street Fremantle, was completed. Walyalup Civic Centre was designed as a *Zero Energy Building* with sustainable design features to achieve a NABERS (National Australian Built Environment Rating System) 5 Star Rating (Excellent). The building ventilation is mixed modal being naturally ventilated most of the year, avoiding high energy demands of heating and cooling. Exterior mesh shading, louvers, and window treatments reduce the heat gain into the building and allow cross-flow of breezes. Solar photovoltaics installed on the rooftop supply renewable energy directly into the building. The large 240KWhr solar array reduces the fossil fuel grid electricity consumption, avoiding carbon emissions.



Carbon Credits as Offsets

The City pledged to be carbon neutral for its corporate greenhouse gas emissions (GHG) to 2020. A mixture of local and international carbon credits were purchased over the past decade to offset carbon emissions. Carbon credits for a hydro-electric 20MW plant in India were purchased to offset 6,200 tonnes GHG for the 2019/20FY.

Zero Carbon		Avoid harmful greenhouse gas emissions to reduce the rate and impacts of climate change				
<p>Supply renewable energy to all Council buildings and park lights, and improve building energy efficiencies</p> <p>The City negotiated the supply of green energy to its top 14 energy consuming buildings and facilities, and can still improve efficiencies.</p>	Pursue efficiencies and renewable energy (Action 10.1)	Progress	Maintain Carbon Neutral Status (Action 10.2)	Progress	Report on Energy usage (Action 10.3)	Progress
	Implement the Corporate Energy Plan	On track	Complete Carbon Accounting	Completed	Report annually on commitments under Cities Power Partnerships	Completed
	LED light replacement in streets, carparks and parks	On track	Reduce carbon emissions	Behind Schedule	Report annually on energy and fuel usage to ABS Survey	Completed
	Renewable energy on suitable council buildings	On track	Purchase carbon credits	In Progress		
	Supply of renewable energy via a Power Purchase Agreement	Completed				
	Advocate Climate Emergency (Action 10.4)	Progress	Transition the community to Low Carbon living (Action 10.5)	Progress		
	Deliver Climate Emergency Engagement Program	Completed	Provide information and tools to encourage low carbon living	On track		
	Advocate for all governments action to address climate emergency	On track	Support research into low carbon living	On track		
	Implement a divestment policy	In Progress				

Figure 13. Zero Carbon Action and Target Progress

Appendix -Target Data Tables

Health and Wellbeing

Unpaid work and care (number people and as %)	2016		2021	
Provided unpaid assistance to a person with a disability, health condition or due to old age (last two weeks)	754	10.3%	1,710	11.7%
Did voluntary work through an organisation or group (last 12 months)	1,564	21.3%	2,960	20.2%

Source: ABS Census 2021 and 2016

Equity and Local Economy

Aboriginal and Torres Strait Islander employment at the City	2017/2018	2018/2019	2019/2020	2020/2021	2021/2022
Indigenous employees	1.90%	3.60%	2.60%	2.10%	2.10%

Source: Public Sector Commission

Culture and Community

My Say Freo Subscriptions	2020	2021	2022
My Say Freo webpage visits	42,800	36,100	37,200
Community members informed	10,200	9,500	9,700
Community members engaged	1,100	1,200	894
New member registrations	134	192	160

Source: City Operations and Bang the Table

Land and Nature

Tree plantings	2017/2018	2018/2019	2019/2020	2020/2021	2021/2022
Urban Forest Plan Target	1,172	1,040	805	1,065	1,080
Total trees planted	1,867	1,856	1,537	1,477	1,926

Source: Greening Fremantle Strategy and Parks Operations

Sustainable Water

Water use/Allocation (kL)	2020/2021 (kL)	2021/2022 (kL)
Drinking (potable) water Corporate	114,679	116,656
Drinking (potable) water Community	3,928,893	4,121,592
Groundwater (non-potable) Corporate	638,720	655,746
Garden bore Community	2,529,661	2,454,661
Total potable water	4,043,572	4,238,248
Total non-potable water	3,168,398	3,110,421

Source: Water Corporation, DWER, and Parks Operations

Local Food

Waste Tonnes (t)	2019/2020	2020/2021	2021/2022
Total Domestic FOGO Collected	3,443	4,561	4,781
Total Domestic FOGO Recovered	1,738	3,922	4,064
Total FOGO Recovery Rate	50%	86%	85%

Source: Waste Operations

Sustainable Transport

Staff Travel	2010	2018	2021
Private Vehicle Use	55%	50%	50%
Public Transport	19%	19%	10%*
Vehicle Passenger/Ride Share	8%	8%	5%*
Cycling and Walking	12%	12%	18%

Source: City Operations

(*COVID-19 related)

Sustainable Materials

Waste Tonnes (t)	2018/2019	2019/2020	2020/2021	2021/2022
Total Waste Generated and Collected (commercial and public sites)	18,542	18,524	17,300	17,037
Total Tonnes Recovered (commercial and public sites)	8,376	8,559	8,307	8,376
Total Recovery Rate % (commercial and public sites)	45%	46%	48%	55%

Source: Waste Operations

Zero Waste

Waste Tonnes (t)	2017/2018	2018/2019	2019/2020	2021/2022	2021/2022
Total Domestic Waste Generated	13,813	16,931	14,367	14,067	13,943
Total Domestic Recovered	7,427	8,341	7,721	8,166	7,669
Domestic Recovery Rate (verge waste, and recycling)	54%	49%	54%	58%	55%

Source: Waste Operations

Zero Carbon

Carbon Emission Sources (tCO ₂ e)	2019/2020	2020/2021
Electricity	1,375	1,729
Fleet	1,073	844
Natural gas	353	372
Refrigerant	70	113
Travel	7	1
Corporate total	2,878	3,059
Waste	1,492	1,680
Streetlights	1,349	1,279
Water	284	299
Other	419	508
Community total	3,544	3,766

Source: Synergy, Alinta, Perth Energy, Water Corporation, and City Operations