

One Planet Living Report 2020-21



Contents

One Planet Living Report 2020-21.....	1
Introduction.....	2
Message from Bioregional.....	3
Principle Area Highlights	4
One Planet Snapshot	11
Coming Up in 2021/22.....	13

Introduction

This report presents progress made towards the City of Fremantle’s One Planet Action Plan 2020 - 25. It is the first annual report since the current Plan was adopted in 2020 and provides a snapshot of activities undertaken for the 2020/21 financial year. This report should be read in conjunction with the One Planet Action Plan spreadsheet and separate technical reports for waterwise monitoring, waste and recycling and carbon accounting (to be finalised in October 2021). These technical reports will provide quantitative figures showing how we are tracking towards our One Planet targets.

									
Health and happiness		Encouraging active, social, meaningful lives to promote good health and wellbeing							
Equity and local economy		Creating safe, equitable places to live and work which support local prosperity and international fair trade							
Culture and community		Nurturing local identity and heritage, empowering communities and promoting a culture of sustainable living							
Land and nature		Protecting and restoring land for the benefit of people and wildlife							
Sustainable water		Using water efficiently, protecting local water resources and reducing flooding and drought							
Local and sustainable food		Promoting sustainable humane farming and healthy diets high in local, seasonal organic food and vegetable protein							
Travel and transport		Reducing the need to travel, encouraging walking, cycling and low carbon transport							
Materials and products		Using materials from sustainable sources and promoting products which help people reduce consumption.							
Zero waste		Reducing consumption, re-using and recycling to achieve zero waste and zero pollution							
Zero carbon energy		Making buildings and manufacturing energy efficient and supplying all energy with renewables							

Message from Bioregional

The new One Planet Action Plan 2020–25 has provided the City of Fremantle with an opportunity to refresh and reinvigorate its sustainability aims, targets and actions. We were pleased to see the ambition of the action plan, and that implementation continues apace. While 2020–21 held many challenges in relation to the global COVID-19 pandemic, the City of Fremantle has managed to deliver impactful and bold action.

Some key highlights for us are the support offered to residents during the pandemic, including grants for local communities and the Neighbor to Neighbor initiative. The rollout of FOGO to 93% of residents is a great achievement. As the City of Fremantle team moves into the new Walyalup Civic Centre, we look forward to hearing how this new premises increases community activity, while reducing energy and resource use.

The need for urgent action to prevent the worst affects of climate change has never been more pressing. Keeping the average global temperature rise to below 1.5°C is vital to avoid catastrophic, runaway climate breakdown, and time is running out. 2021 saw COP 26 in the UK, which made some progress toward the 1.5°C target. But action is required at all levels – from national governments down to individuals.

Fremantle continues to lead the way in using One Planet Living at a city and town level. Fremantle sets the gold standard for sustainability not just in Australia, but globally.

Principle Area Highlights

The below section highlights specific projects that were carried out in 2020/21. Each project contains a link to a specific action in the One Planet Action Plan 2020-25, targets where relevant, and 'petals' reflecting the One Planet principles that the project embodies.

Walyalup Civic Centre

The Walyalup Civic Centre has been designed to be one of the most energy efficient buildings in Australia. This starts with the well shaded, high performance double glazing which has been designed to minimise solar heat gains and maintain good thermal comfort for occupants. Automated operable windows have been installed on all office levels to allow the building to be naturally ventilating whenever the external conditions are suitable which it frequently is in the mild Fremantle climate. An energy efficient HVAC (Heating, Ventilation and Air-Conditioning) system has been installed to maintain thermal comfort for building users when the external conditions are not suitable for natural ventilation.

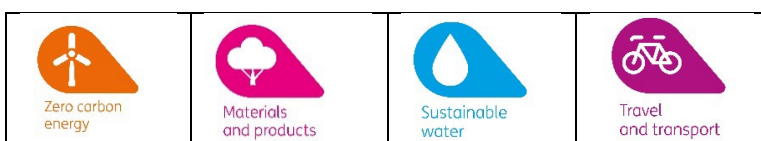
As well as being designed to operate efficiently, the building will have a 240 kW solar array installed on the roof which has been sized to take advantage of all of the available roof space. This solar array is expected to produce as much electricity over the course of the year as used by both the base building services and the City of Fremantle tenancy equipment. This will make the City of Fremantle portion of the building a net 100% renewable electricity building over the course of a year. The City will then purchase carbon offsets to cover any remaining greenhouse gas emissions from the operation of the building, making it a net carbon neutral building.

Additional sustainability features include water efficient fixtures and fittings to minimise water use, good end of trip facilities to encourage active transport, low VOC (Volatile Organic Compounds) materials and indoor plants to ensure a healthy environment and a battery room allowing for the future provision of batteries.



Link to Action 10.2.1: Progressively install renewable energy on suitable City of Fremantle buildings where possible

Link to Target: 100% of City of Fremantle buildings, parks and streetlights powered with renewable electricity by 2025



Fremantle Containers for Change

The state governments beverage container scheme reduces litter in the environment, provides a cleaner recycling stream, whilst providing the opportunity for individuals and community groups to raise funds. People swap an eligible beverage container for a 10-cent refund. Located at 83 Knutsford Street, Fremantle Containers for Change refund point averages around 16,000 containers per day. In 2020-21, residents raised over \$23,000 dollars by donating their containers to one of ten not-for-profits selected each month. Whether donating or raising money, all beverage containers sent to the Fremantle Containers for Change supports the City of Fremantle community.



Link to Action 9.1.1: Develop & implement Waste Plan 2020-25 including: Develop and operate Containers for Change refund point.

Link to Target: Meet WA state targets of 67% diversion from landfill by 2025 and 70% by 2030 of business and household waste, exceeding this wherever possible.

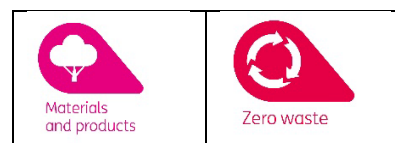


Modern Cloth Nappy Rebate

The City of Fremantle, with funding provided by the Government of Western Australia, is offering residents a rebate of 50% (up to \$150) on the purchase or hire of modern cloth nappies. Reusable modern cloth nappies significantly reduce the environmental impact that a child can have using around 4000 disposable nappies in their younger years. Disposable nappies end up in landfill, where they decompose for the next 500 years. Rebate applicants are required to attend a modern cloth nappy workshop to learn about the benefits and care of modern cloth nappies.



Link to Action 3.4.2: Provide sustainability courses, programs, information and events to the community.



Waste Education Program

The City of Fremantle’s waste education program provides a range of services to the local community and schools to share information on City waste services and facilities, using bins, waste minimisation tips and skills. A dedicated waste education officer attends school incursions, university and community talks, workshops and pop-up information stands. Helping people to understand the importance of disposing of their waste correctly and how to reduce it will ensure less litter, cleaner recycling streams and less waste being sent to landfill.



Link to Action 9.1.1: Develop & implement Waste Plan 2020-25 including: Provide community education on waste and recycling



National Volunteer Week 2021

Volunteer Fremantle hosted 65 volunteers for National Volunteer Week 2021, the theme of which was Recognise, Reconnect and Reimagine. This year we focused on ‘buying local’. The event was held at a local Fremantle art space, we used a local business for catering and hired local musicians and an Elder to participate in the event. We reconnected with volunteers whose roles were impacted by Covid-19 and recognised those who continued to volunteer during 2020/21. The Volunteer Fremantle Bookmark Project was also launched during the week. The bookmarks help to ensure that volunteering services are accessible to all by including a contact number and key messages about the positive aspects of volunteering, whilst featuring five volunteers and their services.

Link to Action 1.2.2: Provide programs that centre around community volunteers, including opportunities for Over 55s, Containers for Change, Neighbour to Neighbour and the Fremantle Youth Network.

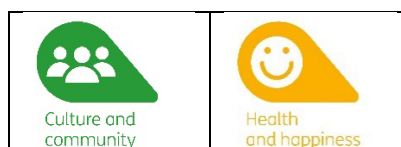


Neighbour to Neighbour (N2N)

The project was launched to provide assistance to members of the community facing unprecedented challenges and increasing isolation due to COVID 19. It encouraged local residents to sign up as volunteers to help vulnerable people in their community with simple errands, including grocery shopping, dog walking or simply checking in with a friendly phone call. In one week, from the call out, over 600 local people registered as volunteers. The project was ultimately about connecting community and helping each other in a time of crisis. It has continued as an ongoing initiative and continues to support seniors, people with a disability, people from culturally and linguistically diverse (CALD) backgrounds and Aboriginal people. It was a time when Fremantle community showed its true colours.



Link to Action 1.2.2: Provide programs that centre around community volunteers, including opportunities for Over 55s, Containers for Change, Neighbour to Neighbour and the Fremantle Youth Network.



Neighbourhood Quick Response Grants (NQR)

The City recognises the pivotal role grass-roots community groups, organisations and individuals play in the delivery of diverse and vibrant neighbourhoods. NQR grants are for initiatives that encourage active participation in the local community and create opportunities for people to connect with each other in their local neighbourhoods. The grants provide the local community with the tools to effectively plan and deliver neighbourhood projects. NQR grants have a two week turnaround on application and up to \$1,500 is allocated for each project. In the last 12 months, 15 grants have been provided.



Link to Action 3.4.2: Support arts programs, spaces & events



Sustainability Cluster Workshop

As part of the Emerging Industry Cluster Support project, the Economic Development team facilitated two workshops with Fremantle’s emerging and established sustainability leaders and innovators in order to:

- Understand collective opportunities and challenges facing this industry in Fremantle;
- Understand what types of services and infrastructure will support growth and innovation within this industry; and
- Provide an opportunity for genuine connection and networking between businesses.

The workshops were hosted by Hub on SX, lead by For Blue (with facilitation support from FAR Lane) and supported by the City of Fremantle. Through break out and whole-of-group discussions, insights were captured on common challenges, aspirations and opportunities. A common challenge identified was maintaining leadership in ecological and social sustainability while being financially sustainable. A common aspiration and opportunity identified was educating and incentivising customers so more people are making sustainable consumer choices, which in turn will have a positive impact for sustainable business. Workshops and facilitation are continuing in 2021/22.

Link to Action 2.1.2: Foster the growth of local industry supportive of sustainability, environment and marine ecosystems.



Water Sensitive Cities Benchmarking and Assessment

The City was benchmarked using the Cooperative Research Centre for Water Sensitive Cities (CRCWSC) Water Sensitive City (WSC) Index Tool with input from City staff, community and stakeholders in May 2021. The WSC Index Tool identifies all the key components (indicators) of a WSC. The Tool covers 7 goals and assesses 34 indicators that represent important attributes of a WSC. The results of the benchmarking workshop suggest that the City of Fremantle meets all the characteristics of a Water Supply City, Sewered City and Drained City. It nearly meets the characteristics of a Waterway City (99%), is progressing as a Water Cycle City (66%); and has commenced the journey (15%) towards the WSC state.

In terms of the WSC goals, the City met the Water Cycle City benchmark for the goals of (1) Ensure good water sensitive governance, (3) Achieve equity of essential services, (4) Improve productivity and resource efficiency, and (7) Promote adaptive infrastructure. A deficit in attaining key attributes of a Water Cycle City is evident for (2) Increase community capital, (5) Improve ecological health and (6) Ensure quality urban space.

In response to the discussion and rankings achieved, a ten-point action plan has been developed for the City of Fremantle to help progress the City’s journey towards a WSC. The actions predominantly address the lower-performing indicators and are recommended to be collaboratively delivered by all agencies working together with the community.

Link to Action 5.1.2: Implement Water Efficiency and Management Plan.



Urban Forest Plan - review of tree planting targets

The City adopted its Urban Forest Plan in 2017, with the City commencing its implementation in the same year. The City has exceeded the tree planting targets identified in the plan each year (despite the budget for tree planting in 2019/20 being redirected due to Covid). The City reviewed its progress against its Greening Fremantle Strategy 2020, which included the Urban Forest Plan targets to inform tree planting targets for 2021/22 onwards.

Table 1 Urban Forest Targets and total trees planted per year

	2017/18	2018/19	2019/20	2020/21
UFP Target	1,172	1,040	805	1065
Total trees planted	1,867	1,856	1,537	1,477

Note: Total trees planted includes trees planted in both street and park areas, and natural areas.

Link to action 4.2.1: Implement Urban Forest Plan including: plant average of 1000 trees per year as per annual tree planting targets in Urban Forest Plan.

Link to targets:

- Average of 1000 trees per year as per annual tree planting targets in Urban Forest Plan.
- Increase tree canopy cover to 20% by 2027.



Coastal Monitoring program - Port, Leighton and Mosman Beaches

The City continued its coastal monitoring program for Port, Leighton and Mosman Beaches, as recommended in the Coastal Hazard Risk Management and Adaptation Plan, for a third year as part of a proposed five year monitoring program. The monitoring program is a partnership between Town of Mosman Park, City of Fremantle and Fremantle Ports with funding provided through the State government’s Coastal Adaptation and Protection grants program. The monitoring program collects summer, winter and post-storm data on beach profiles, sand sediments, photo-monitoring and fixed remote camera photo-monitoring and analyses this with ocean data available from Department of Transport to develop a better understanding of how the coastline changes with seasonal conditions. The information can be used to inform future management of the Port, Leighton and Mosman coastlines.

Link to Action 4.2.4: Implement Coastal Hazard and Risk Management Adaption Plans.



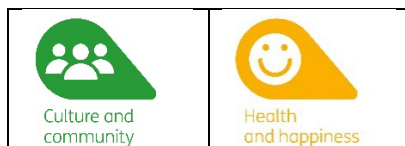
What's in a name? Renaming of King's Square to Walyalup Koort

The historic heart of Fremantle is being transformed into a vibrant city centre with a host of fantastic new public facilities and features. As part of the City's preparations for opening, the possibility of renaming the space known as King's Square was explored. Following an extensive community engagement process, the name Walyalup Koort, which means 'Heart of Fremantle' in the local Whadjuk Nyoongar language, was selected by Fremantle Council. The name became official in June 2021 following approval by the Minister for Lands.

The City of Fremantle's Walyalup Reconciliation Action Plan, which was adopted in July 2019, includes a commitment to identify opportunities for the naming or co-naming of locations, streets and parks around Fremantle. In February 2020 the council voted to initiate a community engagement process to explore the possibility of adopting a new name for Kings Square, on the basis that the new name would generate a sense of civic pride, was directly relevant to Fremantle and would withstand the test of time. An invitation to the public to put forward their thoughts attracted 128 suggestions for a new name, which was narrowed down to a shortlist of five options by the Kings Square stakeholder group.

Following a second stage of community engagement the stakeholder group, which consisted of representatives from St John's Church, Traditional Owners, Fremantle Chamber of Commerce, Sirona Capital, Department of Communities and the City, unanimously supported the name Walyalup Koort. More information on the City's community engagement process can be found on our [MySay](#) page.

Link to Action 3.1.1: Implement Action 12 of the WRAP "Generate, in the community, interest in, understanding and respect for Whadjuk and Aboriginal and Torres Straight Islander culture, historic experiences and perspective".



Together Again Café

The Together Again Café is a free social outing that is held monthly and aims to bring people together and reconnect socially isolated people with their neighbours and local community. Together Again Café celebrates older people, cultural diversity and people of all abilities, enabling and encouraging everyone to feel welcome, safe and happy in their own community. Guests are encouraged to invite their neighbours or acquaintances, and the City offers assistance registering or organising transport. Local musicians perform and a delicious morning tea provided by local caterers is served. The project received funding (\$15,000) from Department of Community to deliver the project over a 12 month period.

Link to Action 1.2.1: Maintain the City's Life Long Learning program to provide the community with a variety of high value classes for educational and social opportunities.



One Planet Snapshot

The following section provides information of the main targets set out in the One Planet Fremantle Framework 2020-30.

Equity and local economy

- *2% total procurement target for goods and services from Aboriginal and Torres Strait Islander owned businesses, managed and/or staffed businesses.*
 - Procurement of Aboriginal services is primarily through the Walyalup Aboriginal Cultural Centre, where workshops such as Bush Tucker, language classes and art classes are held. Actual procurement percentage will be calculated in 2022.
- *4% of City employees are Indigenous and/or Torres Strait Islander people.*
 - Indigenous employment dropped by 0.5% in 2020/21 – needs improvement. Detailed information on actions taken to reach employment target can be found in WRAP action plan and EEO and Diversity Management Plan.

Land and nature

- *Average of 1000 trees per year as per annual tree planting targets in Urban Forest Plan.*
 - On track – refer to Table 1
- *Increase tree canopy cover to 20% by 2027.*
 - On track – refer to Table 1.

Sustainable water

- *Corporate ground water: do not exceed allocation set by Department of Water*
 - Achieved for total groundwater allocation (refer to Waterwise Council report for further information)
- *Corporate scheme water: reduce 10% over the next 5 years based on 2019 data.*
 - 132,861kL was used in 2018/19 – a reduction of 10% is 13,286kL. Thus far we have reduced 18,182 kL (Table 3) – target achieved.
- *Community scheme water: 10% reduction over the next 5 years based on 2019 data.*
 - Community water use has increased since 2018/19 (Table 4) – needs improvement.

Zero waste

- *Meet WA state targets of 67% diversion from landfill by 2025 and 70% by 2030 of household waste, exceeding this wherever possible.*
 - Currently at 58% diversion from landfill (Table 5) – on track to reach 67%
- *Reduce waste generated by City operations by 20% (from 2018/19 baseline).*
 - The 2018/19 baseline is 16931 tonnes and waste generated in 2020/21 was 14067, which is a reduction of 2864 tonnes or 16.9%: on track to reach a target of 20% reduction (or 3386.2 tonnes).
- *80% of residents have access to FOGO by 2025.*
 - Currently, 93% of properties including multi-unit dwellings have access to at least one FOGO bin to dispose of food organics. However, only 75% of residential properties are actively participating.

Zero carbon energy

- *Power City of Fremantle buildings, parks and streetlights with renewable electricity by 2025.*
 - Carbon accounting to be completed in early 2022
- *Maintain carbon neutral status through to 2030 by minimising emissions and purchasing accredited offsets.*
 - Carbon offsets have been purchased for 20/21, however carbon accounting in early 2022 will confirm our carbon neutral status.

Table 2: Aboriginal and Torres Strait Islander employment (numbers reported to the Public Sector Commission in March of each year)

Year	2018	2019	2020	2021
Indigenous employees	1.9%	3.6%	2.6%	2.1%

Table 3: Corporate Water Use (kL)

Water source	2016/17	2017/18	2018/19	2019/20	2020/21
Potable water	129,164	139,838	132,861	124,624	114,679
Non-potable, licensed groundwater	683,025	664,946	708,375	665,172	638,720
Non-potable alternate water source (Recycled water/stormwater etc.)	0	0	0	0	0
Total water consumption	812,189	804,784	841,236	789,796	753,399

Table 4: Community potable water use sectors and water consumption over time (kL)

Water use source	2016/17	2017/18	2018/19	2019/20	2020/21
Residential	2,699,818	2,550,379	2,545,306	2,589,675	2,793,263
Commercial	1,070,807	1,072,508	1,192,092	1,144,665	1,085,079
Education	61,928	52,243	49,115	54,890	50,551
Total water use	3,832,553	3,675,130	3,786,513	3,916,741	3,928,893

Table 5 Domestic waste recovery rates – includes kerbside pickup, recycling bins and drop offs at the recycling centre

	2017-18	2018-19	2019-20	2020-21
Total Domestic Waste Generated (T)	13813	16931	14367	14067
Total Domestic Recovered (T)	7427	8341	7721	8166
Domestic Recovery Rate	54%	49%	54%	58%

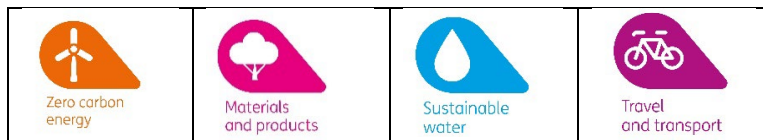
Coming Up in 2021/22

Walyalup Civic Centre

The new Walyalup Civic Centre is due for finalisation towards the end of 2021, following which staff will relocate to the new building. Once the Centre is being utilised, the City will start to see reductions in carbon use due to the renewable energy and energy-efficient features of the building.

Link to Action 10.2.1: Progressively install renewable energy on suitable City of Fremantle buildings where possible.

Link to Target: 100% of City of Fremantle buildings, parks and streetlights powered with renewable electricity by 2025



Community Recycling Hub

Located at the Fremantle Recycling Centre, the proposed hub will provide a base to conduct site tours, community workshops and educational programs in a purpose built and safe environment. Proposed to be made from reused materials, the hub purposefully connects the community through the sharing and learning of new skills through repairing and upcycling.

Link to Target: 9.1.1: Develop and implement Waste Plan 2020-25 including: Provide community education of waste and recycling.



Attfield St local bike route

Proposed as part of the safe active street program and will involve low impact small interventions to give cyclists priority on the road.

Link to Target 7.1.2: Implement Bike Plan including: Pursue design of Safe Active Streets with Department of Transport



Griffiths Park Hilton

Conversion of an old drainage sump that is inaccessible to the community, into a community parkland that still acts as an infiltration basin.

Link to Action 1.3.1: Maintain high quality accessible open space



Sand Nourishment project

The City of Fremantle has received a \$3.25m WA Recovery Plan grant via the Department of Transport to progress a sand nourishment project for Port Beach via sand from an area already being dredged. The project is being run in partnership with Fremantle Ports and is scheduled for June 2022. It is an interim strategy pending planned retreat.

Link to Action 4.2.4 Implement Coastal Hazard and Risk Management Adaption Plans



Walyalup Aboriginal Cultural Centre

The Walyalup Aboriginal Cultural Centre (WACC) showcases local Aboriginal art, culture and history through various exhibitions, workshops, film screenings, music and tours throughout the year. The programs coincide with the six Nyoongar seasons. Examples of programs include Bush Tucker, Makuru Community Canvas and Nyoongar Language Classes.

Link to Action 1.1.5: Deliver education and cultural awareness raising programs, including showcasing local Aboriginal art, culture and history through various exhibitions, workshops and film screenings.

Link to Action 3.1.1: Implement Action 12 of the WRAP “Generate, in the community, interest in, understanding and respect for Whadjuk and Aboriginal and Torres Strait Islander culture, historic experiences and perspective”.

