

One Planet Fremantle

Annual Report 2019



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INTRODUCTION

The City of Fremantle aims to become Perth's most sustainable local government and a global leader – a place where we foster community in a way that supports quality of life, while respecting the limits of the planet on which we live.

The City of Fremantle continues to be an Australian leader in sustainability practices for local government, with One Planet Living helping to guide and document the progress the City is making towards its sustainability goals. Incredible work has been done to reach milestone achievements like launching the Walyalup Reconciliation Action Plan, participating in the successful trial of a community battery scheme and celebrating 70 years of Fremantle Library.



Vision statement in the Walyalup Reconciliation Action Plan 2019-2022

The City again held a very successful and widely supported One Day event as an inclusive alternative to Australia Day, contributing to the national push for changing the date.¹



One Day program 2019

The great work the City does in community development continues alongside efforts to respond to the increasingly apparent impacts of climate change, including coastal erosion and more frequent heatwaves. The erosion experienced at Port Beach in the 2019 winter storms is now significantly impacting infrastructure. Upon assessing the results of an impact report, the City has, with support from the state government, committed to building a temporary sea wall to protect assets while a longer-term plan for managed retreat is developed.



Port Beach, North Fremantle. The winter storms have significantly eroded the beach, putting carparks and buildings at risk.

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¹ This article provides a comprehensive overview of the issues around Australia Day https://www.abc.net.au/religion/local-councils-and-the-politics-of-australia-day/10739410?fbclid=lwAR1h9y-RBA1hNczpZwVJc1TQJptBe7GYPvoF6zfQGv4nUw81YXuwBvVVTIQ



Front page of the *Fremantle Herald*, 14 December 2019, with two climate change related stories: the erosion at Port Beach, and strange growth behaviour of Norfolk Pines causing unusually large and heavy pine cones.

2019 was perhaps the year that climate change was finally given widespread public attention in Australia. In May, prior to the federal election, the Fremantle Youth Network presented City of Fremantle councillors with a letter requesting that the City advocate on their behalf for stronger action on climate change to state and federal governments. The Councillors unanimously endorsed the request and made a declaration of a climate and biodiversity emergency.



Members of the Fremantle Youth Network with Councillors after the declaration of climate and biodiversity emergency

In September, City representatives attended the School Strike 4 Climate with the Fremantle Youth Network. The City has since presented a strongly worded, Council-endorsed, submission to the Department for Environment and Water Regulation regarding its Climate Change Issues Paper and development of a state climate policy. While WA has only 10% of the nation's population, it contributes 17% of emissions. Above all, the City of Fremantle is calling for clear targets for transitioning Western Australia's economy to being based on renewable energy.



Getting ready to board the train to the School Strike 4 Climate in Perth, September 2019



City of Fremantle represents at School Strike 4 Climate, Perth, September 2019

With the south west of WA experiencing one of the hottest, driest springs ever²³, and the fire season across the country starting much earlier than usual, climate change continues to be at the forefront of people's minds throughout the Fremantle community.

In 2020, building on the momentum from 2019, the City plans to develop a Climate Change Action Plan that will capture the work being done across the city to help the community build resilience to climate change impacts socially, economically and environmentally.

² https://www.abc.net.au/news/2019-10-01/perth-notches-hottest-september-on-record,-driest-in-42-years/11561942

https://www.abc.net.au/news/2019-12-02/bureau-of-meteorology-declares-spring-2019-the-driest-on-record/11755848

Message from Bioregional

When starting this review in early 2020 it seemed that 2019 would most likely be remembered as the year the world truly woke up to the climate and ecological emergency – though the global pandemic has clearly changed that. Nonetheless it is important to remember how Extinction Rebellion protests and school strikers pushed climate change up the political and media agenda, and how the fires in Australia and floods in the Philippines viscerally depicted the reality of the climate crisis.

Nor should COVID-19 be seen as separate from our ecological crisis, as it has become increasingly clear that our encroachment into natural ecosystems is increasing the likelihood of humans contracting novel viruses. So we enter the 2020s with growing public awareness of the threat and an impassioned grassroots movement determined to make change.

Now as we slowly start to restart the global economy, the world is looking for leaders to show us real-life scalable solutions for a sustainable future based on a resilient local economy. The City of Fremantle is primed to play this role, having already declared a climate and biodiversity emergency, and looks to rebuild as sustainable as possible.

Five years of One Planet Living

Since 2015, the City of Fremantle has been embedding One Planet Living in its operations and the wider community – working towards a happier, healthier future for all within the limits of the planet.

And 2019 has seen continued progress in reducing its direct carbon emissions and water consumption, with efficiency measures being the main driver behind a 40% reduction in emissions from electricity compared to 2016. Alongside, the City of Fremantle has also instigated innovative and award-winning policies to influence wider social and environmental change.

It's pioneering the 'Freo Alternative' - planning legislation that allows landowners to increase housing density if the proposal meets certain requirements including; smaller housing size, fewer parking spaces and higher energy-efficiency performance.

This legislation is in line with what we have seen work at One Planet Living communities globally - increased housing density with reduced parking spaces as a mechanism to finance enhanced build quality for sustainability. Providing legislation to explicitly support this is a great achievement.

Reconciliation with Indigenous people is another area where Fremantle continues to lead. The rebranding of the traditional Australia Day festival as a 'One Day in Fremantle' Festival in 2017 was controversial and attracted considerable criticism. Yet a number of City Councils have since taken a similar approach and it has helped spark a much-needed discussion in Australia concerning the hugely negative impact of European colonisation on the Indigenous people The City have backed up this position by publishing their comprehensive Walyalap Reconciliation Action Plan in 2019 after a long, well-attended, consultation process.

Bold choices for a better future

These are just two examples of how the City of Fremantle is taking bold decisions to put itself on a path to a more sustainable future. Yet the scale of change required means the City must ensure that all policies, initiatives and communications are aligned with its sustainable One Planet Living vision.

Sustainability needs to be integrated into all decision-making processes and made the raison d'etre of the City.

This is a huge challenge, and one that needs to be replicated globally. But the City of Fremantle has already demonstrated their willingness to be a leader and if it can rise to this challenge it will be a ground-breaking example of how a City administration can focus its resources on facilitating a City's transition to a sustainable future.

Ben Gill, One Planet Living Technical Manger

One Planet Living

One Planet Living is a vision for a sustainable world where people lead healthy, happy lives within their fair share of the earth's resources. It is based on ten principles of sustainability that provide a framework to plan, deliver and communicate sustainable development and guide holistic thinking (see Figure 1).

The Fremantle One Planet Strategy achieved national One Planet certification in 2014 and international certification 2015. The national targets outlined in the One Planet Fremantle Strategy 2014/15 to 2019/20 were updated to include corporate and community targets that reflect our international certification.

This 2019 Annual Report is the fourth review of our progress under international certification. The report outlines our progress towards corporate and community targets for each principle area, detailing key projects and actions undertaken in 2019. Feedback from the certifying body, Bioregional, has been incorporated in to this report.

One Planet provides a lens through which to view the work of the City and understand how it is tracking to become more sustainable. The following report shows our progress towards meeting our targets under each principle area, for both corporate operations and the community. As a local government authority, there is naturally some blending of operational and community targets and actions.



The One Planet Living Principles

One Planet Living Corporate

ORGANISATIONAL CULTURE AND WELLNESS

The City of Fremantle is working towards meeting the following targets to enhance organisational culture and maximise staff wellness, with actions that fall into the One Planet principle areas of Health and Happiness, Equity and Local Economy and Culture and Community.

CITY OF FREMANTLE TARGETS

The City of Fremantle will promote and support health and wellbeing in the workplace by providing increased access to opportunities for staff to participate in programs relevant to their needs and will monitor the success of these programs through annual productivity / days lost to sickness / wellness and wellbeing statistics. The City will undertake a survey of health and well-being needs within the organisation complete by 2016 and develop a full program of health and well-being activities and events to 2020.

INDICATOR

Maintain or increase training opportunities

Maintain or increase wellness opportunities

BASELINE DATA (2015/2016)

An employee engagement survey was carried out in 2015 by Aon Hewitt. Employee engagement at the time was 57%, which is the Australia and New Zealand norm for Local Councils. Advocacy was noted as reasonably strong and there was a reasonable commitment to stay in the long term.

Three employee wellness programs were run in 2016 with a total of 92 staff attending.

DATA

Number of people participating	2018	2019
Leisure Centre off peak membership (free)	12	27
Leisure Centre peak membership (half price)	18	10
19 day work month option	82	78
Social club members	56	57
Cancer skin care checks	100	N/A ⁴

The City of Fremantle will provide a full package of support, training and engagement mechanisms to foster staff development by 2020 and to support equality in the workplace.

The City of Fremantle will promote an understanding of the One Planet Council program with its staff and commit to supporting community projects and targets based on increasing the number of community and / or sustainability projects and / or the level of support (financial or staff time) by 2020.

KEY PROJECTS

PROJECT

Activity Based Working

The main focus of our People and Culture team for 2019 has been preparing for the move to the new building, which is on track for the end of 2020. The new building has been designed with Activity

ACTIVITIES

Key ABW Activities 2019

- December 2018 January 2019 --> Bankwest and PwC tours (to help staff see an entire ABW environment, ask questions, learn about it)
- December 2018 current 2020 --> being mobile initiative (24 staff at a time trial mobility, have lockers, choose where they sit each day, feedback has been that they feel better connected to the entire organisation, learn about what

⁴ Staff skin checks occurred in January 2020

Based Working (ABW) in mind, which will mean that staff no longer have designated desks, but will be able to decide where to sit based on the kind of work they are engaged in. A variety of spaces for different work will be types available, including quiet areas for times that deep focus is required and a range of meeting rooms collaboration spaces. Throughout the year, 6 week trials have been conducted, with a cohort of staff each time volunteering to try mobile working, using a locker for personal belongings and choosing their daily work location from several "mobile allocated desks" across the administration building.

- other areas are doing, found areas where they work more productively, empower staff to make own decisions and become less reliant, learn about leading by outcome and not line of sight, meet regularly with the cross-org group to discuss findings and learn about ABW environment, share learnings with their teams, etc.)
- January May 2019 --> Furniture Pilot Space (staff tested all loose furniture options, provided feedback, this informed the specifications in the tender, tender under review currently)
- February April 2019 --> Task chair trial (staff trialled 3 x task chairs, the chair that was most highly ergonomically rated by them won and is what we will have in the new building)
- June 2019 --> the Depot had a refurb of their offices (moved from siloed offices into a shared work environment to better align to admin direction and new ways of working)
- September 2019 --> Monitor trial (selection of staff trialled a 32 inch, higher spec monitor as part of a desk set up, provided feedback, and confirmed that this monitor met needs, special solution will be identified for any special requirements)
- September 2019 December 2020 --> New Ways of Leading Program to equip our leaders with the skills they require to lead an achievement culture and new ways of working that we will fully experience in ABW, this will enable them to successfully lead the new way

2020 will focus on the following related to ABW:

- Leading by outcome (accountability, we own it culture principles) through skills development, team development and a new system being implemented
- On-going New Ways of Leading leadership development program focussing on skills to lead the new ways, and then turning into leading ABW and what skills are required for this
- New Ways of Working team and staff workshops to ensure our staff understand ABW, our new ways of working, building team connection, team agreements, etiquettes, and get ready for the move
- Systems will be rolled out that support our new ways of working, including M Files (managing and accessing documents – just went live!), new phone, chat, collaboration tool (to enable our new ways of working), new HRIS system (enable setting clear goals and monitoring progress), and location services for the new offices
- The building plans and interior plans will be launched, as well as our new zones and education regarding these
- There will be clean ups throughout the year, to reduce paper and storage
- Change and move champions will be identified and support with the move

Health and Wellbeing Program

The City recognises that the health and wellbeing of our employees

is important and is committed to providing a safe, healthy and supportive environment in which to work. Each year the City offers employees the opportunity to participate in the health and wellbeing program.

- April Flu Shots: 98 staff received a free flu vaccination in April 2019 as part of our Health and Wellbeing initiative through WorkVax.
- Blood Donations: 7 staff donated blood to the Red Cross.
- R U OK day in September and promotion of the Employee Assistance Program, which gives staff members access to free and confidential counselling services.
- October Mental Health Sessions: A series of mental health workshops were run by LGIS on the topics of mental health awareness, workplace bullying awareness, suicide prevention and mindfulness. Sixty-two people attended the workshops.
- November Skin Checks: cancer skin checks are scheduled for January 2020 due to provider availability in 2019. We anticipate 100 employees to participate.
- An increase in staff off-peak leisure centre memberships.
- Expanded Occupational Health and Safety training calendar.
- Fortnightly staff visits from therapy dog Eric the Brave, Conqueror of Hearts, a Brussels Griffon who regularly participates in children's story time at the library.

Success, Triumph and Rewards Scheme (STARS)

STARS is the City's reward and recognition program and is focused on recognising work/behaviour/actions that support our culture principles. Our culture principles are:

- 1. We work together
- 2. We celebrate success
- 3. We own it
- 4. We're open to change
- 1333 e-cards sent between co-workers as well as manager to employee and vice versa, recognising and congratulating the recipient on behaviours/actions associated with one of the culture principles.
- 42 Supernova Awards (paid awards) were issued to either individuals or teams/groups who displayed actions/behaviours congruent with one or more of the culture principles.

One Planet Presentations

Councillors and staff presented at a several community events and City run workshops on Fremantle's One Planet Strategy and associated projects.

- Community presentation by four officers during One Planet Week in May (attended by 50-60 people)
- Officer presentation to the Environmental Institute of Australia and New Zealand networking group (attended by 30 people)
- Officer presentation at the Living Smart workshop (December) on Fremantle's One Planet Strategy (total of 25 people).
- Officer presentation to the Fremantle Youth Network (attended by 15 people)
- Officer presentation at the Cooperative Research Centre for Low Carbon Living Expo, on the City's Zero Carbon Projects (attended by 150 people)
- One Planet Living presentation to staff as part of the 'Placemaking' Series (attended by 25 people).
- Extensive community consultation regarding the Food Organic Garden Organic (FOGO) rollout across the City.
- Lecture at Murdoch University for the Resilient Regions unit, outlining how the City has used One Planet as a framework for building resilience.

LAND AND NATURE - CORPORATE

Protecting and restoring land for the benefit of people and wildlife

The City's actions under our Land and Nature target are heavily directed by our <u>Greening Fremantle</u>: <u>Strategy 2020</u> (previously the <u>Green Plan 2020</u>) and the <u>Urban Forest Plan</u>. Baseline data was sourced from aerial mapping that was undertaken for the Strategy and Plan. Due to financial constraints, it is not possible to do aerial mapping on an annual basis, therefore similar statistics are not available for 2017, 2018 and 2019. Aerial mapping will next be undertaken in 2020.

CITY OF FREMANTLE TARGET

The City of Fremantle will contribute to increasing levels of biodiversity and space for wildlife through measures carried out on local government owned properties or through time or financial support to an appropriate conservation groups or community initiatives.

INDICATORS⁵

Increase in tree canopy cover.

Maintain and increase public open space to ensure at least the minimum of 3.6 hectares of public open space per 1000 residents is provided⁶.

Every worker and resident is within a 400m walkable distance from functional open space.

Maintain and increase where possible, support for planting/biodiversity programs.

BASELINE DATA (2015/16)

13% Canopy Coverage

23% Green Area

13,629 Trees

Public Open Space provision = 3.5 Ha per 1000 residents

Walkable catchment gaps exist in Hilton, O'Connor, White Gum Valley, Beaconsfield and North Fremantle.

2017 DATA

Walkable catchment gaps in White Gum Valley, Beaconsfield and North Fremantle

In 2017, the City planted approximately 500 trees in streets and reserves and 1000 trees in natural areas. There was a great increase in community coastal planting through the Perth NRM Coastcare program. Ten community and school planting events were held across Leighton Beach, South Beach, Port Beach and Bathers Beach. 188 volunteers took part and planted over 3000 native plants.

2018 DATA

Walkable catchment gaps exist in Beaconsfield and North Fremantle.

In 2018, 31 community planting days were carried out across Leighton Beach, South Beach, Port Beach, Bathers Beach, North Fremantle Swan River Foreshore, Prawn Bay, Samson Park and Cantonment Hill. These planting days include schools, Conservation Volunteers Australia, Work for the Dole teams, local community "Friends of" groups and the City staff planting day. A total of 12,000 native local species (plants and trees) were planted.

In FYE 2018, the City planted 714 trees on residential verges and in local parks, and another 92 trees as part of City projects like pocket parks, car parks and walkways. The species of trees planted

⁵ The City and the community are intrinsically linked with land use and wildlife, as they both manage land and wildlife doesn't differentiate between public and private land. Therefore, our indicators and baseline data are the same for our Corporate and Community targets.

⁶The State Planning Policy standard is 3.36 hectares of public open space per 1000 residents

included red flowering gums, bottlebrushes, jacarandas and tuart trees, with the varieties carefully chosen to best suit the local conditions and surroundings.

The number of free seedlings distributed totalled 5,230 plants. These were distributed to residents (4,200), attendees at the Garage Sale Trail (120) and community engagement for WGV pocket park (120), schools (350) and the Friends of Hollis Park group (440).

Eight residential verges were prepared for planting by the City as part of the Verge Garden Incentives Program (see Land and Nature Community section for further description).

2019 DATA

- Number of plants in revegetation program: 12,653
- Number of plants in corporate / volunteer events through Conservation Volunteers Australia / Perth Natural Resource Management / City o Fremantle: 5420
- Number of plants in Community planting events: 7233

The main areas planted included

- School adopt-a-plots
- River foreshore and remnant bushland that form part of a specific revegetation program (outlined in the Greening Fremantle Strategy and Urban Forest Plan) to build diversity into the natural landscape
- Samson Park, to revegetate unauthorised tracks that fragment the bushland

There were 8 community planting events that variously involved:

- Members of the Fremantle community
- "Friends of" groups
- Conservation Volunteers Australia
- SERCUL
- Earth Assist
- CoF staff
- Local Schools (Fremantle Primary, Hilton Primary, John Curtin College, Leeming College)

KEY PROJECTS AND ACTIONS

PROJECT DESCRIPTION

Perth NRM Coastal and Marine Program The City continued to participate in the Perth NRM Coastal and Marine Program. The program provides a Coastal Facilitator to support and facilitate community capacity building, on-ground coastal restoration projects. The Coastal Facilitator provides a regional connection between coastal communities through environmental links and knowledge sharing along the metropolitan coast.

This program enhances the City's coastal management and existing relationships with the local community and volunteer organisations to engage in coastal conservation. In addition to the City's program the Perth NRM Coastal and Marine Program facilitated around 220 volunteers who contributed 940 volunteers hours, filled 5 weed bags, collected around 30 kg of marine debris and planted around 2500 plants in the City's coastal reserves. This included three local schools who participated in the Adopt-a-Beach program.

Coastal monitorin

Implemented at Port, Leighton and Mosman beaches in partnership with Department of Transport, Town of Mosman Park, and Fremantle Ports. Ongoing in 2020.

g progi

program

Coastal Adaptatio n Options Report

The increased frequency and severity of winter storms is causing significant erosion at Port Beach, damaging car parking infrastructure and endangering City and private assets. As such, the City commissioned a report with the Fremantle Ports and Department of Transport to understand the full scale of the issue, and the options available to respond to the problem. For more information, including photos tracking the history of Port Beach and its development, see My Say Freo. This project will continue to develop in 2020, supported by the creation of a new position, Senior Project Officer-Coastal, which will play a pivotal role in the development, implementation and coordination of a coastal and river foreshore management projects.

Sir Frederick Samson Park

Bushfire Hazard Reductio n Plan The Plan was updated in line with current State policy and guidelines and current best practice and works implemented.

Chemical pesticide alternatives

The City continues to reduce its use of chemical pesticides in all parks and reserves wherever possible, only employing their use for invasive plant species. Steam weeding is widely used for footpaths.

Environm ental Communi ty Capacity Building Project

The South West Corridor Development Foundation Inc., in conjunction with the Cities of Melville, Fremantle and Canning, and Town of East Fremantle was successful in securing grant funding of from the Sidney Myer Foundation for an Environmental Community Capacity Building project. The regional bid was one of only two successful grant applications submitted by local governments and other eligible organisations in Western Australia.

The grant project will support the activities of community "Friends" groups across the councils, and be carried out over 2019 and 2020. Activities undertaken as part of the grant include:

- a large community group expo
- a series of training and capacity building workshops
- tailored assistance to groups provided by a regional Landcare group
- a marketing campaign to assist groups to actively recruit additional volunteers

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⁷ https://mysay.fremantle.wa.gov.au/port-beach

Biophilic Cities

The City continues to be an active partner in the international Biophilic Cities network, participating in regular conference calls with other network members and sharing wins and challenges associated with implementation of our Greening Fremantle Strategy and Urban Forest Plan.

As a Partner City, the City committed to monitoring the five indicators listed below that directly align with our existing *Greening Fremantle: Strategy 2020* and *Urban Forest Plan*.

- 1. Progressively increase tree planting across the city to achieve at least 20% canopy coverage.
- 2. Increase the percentage of city population living (or working) within 400 metres of a public open space, green space, park or other natural element.
- 3. Achieve annual progress on the goals outlined in the City's Greening Fremantle: Strategy 2020 and the Urban Forest Plan.
- 4. Increase tree planting in residential areas that are mapped as above the baseline temperature average (based on thermal imaging from 2015), to ensure equitable distribution of green infrastructure.
- 5. Deliver informative communications when key milestones for the Greening Fremantle: Strategy 2020 and Urban Forest Plan are met, to ensure the community and key stakeholders are fully informed.

Verge Preparati on Program

The City encourages residents to develop and maintain verge gardens to provide a range of social, environmental and economic benefits to the community. Well designed and maintained verge gardens can:

- improve water efficiency
- contribute to beautiful streets
- reduce urban heat island impacts
- provide ecological benefits including habitat for flora and improved biodiversity
- improve building thermal performance.

Some residents who wish to have a verge garden may not be in a position to undertake the work required to convert their verge. The City's verge preparation assistance scheme was developed to assist these residents by providing level preparation and mulch delivery, with priority given to the holders of seniors /health care cards and residents with large verges.

This year:

- 38 properties received assistance that year
- Total value of the assistance provided came to just short of \$18 000
- 135cu/m of mulch was delivered

We also assisted the Hilton Harvest Community in turning their verge into a native garden. The City undertook earthworks, supplied and spread soil and mulched approximately a third of their verge. Plants were supplied by the City and Apace and planting was undertaken by the community, the City and Apace staff on an open day that Hilton Harvest held to promote the City's Verge Garden Program and everything sustainability related to gardening.

Subsidised Verge Plants-

Residents bought 7551plants

Local schools were given 300 plants

All the plants were sourced through the Apace Nursery in North Fremantle, and are local native species.



Verge planted with local native species as part of the Verge Preparation Program

SUSTAINABLE WATER - CORPORATE

Using water efficiently, protecting local water resources and reducing flooding and drought

To ensure consistency of data between reports, water use provided below is based on financial year data provided in our Waterwise Council Action Plan and supplied by the Water Corporation.

The results indicate that both groundwater and scheme water use has increased in the last financial year. The findings are due primarily to large water use at the old Council Administration Building. The building was demolished in 2018 and a significant amount of water was used during demolition to prevent the spread of dust and as a part of construction activities. Construction activities will continue into 2019 and the City acknowledges that it may not be possible to reach our 50% reduction target by 2020.

Groundwater use is currently within our licensed allocation. The Fremantle Golf Course is one of the highest uses of groundwater. As part of the redesign of the Golf Course due to works on Leech Hwy, the City has requested funding from Main Roads to redesign the irrigation at the Golf Course. If it goes ahead, this should assist with reducing groundwater use at the Golf Course.

CITY OF FREMANTLE TARGET

The City of Fremantle will measure its annual water use and set targets for absolute reduction in line with best practice benchmarks or at least 50% scheme water use and 10% groundwater use against 2010 baseline year levels by 2020.

INDICATOR

Scheme water kilolitres used per year.

Groundwater kilolitres consumed per year.

BASELINE DATA (2010)	2020 GOAL

Scheme: 122,578kL Scheme: 61,289kL

Groundwater: 708,500kL Groundwater: 637,538kL

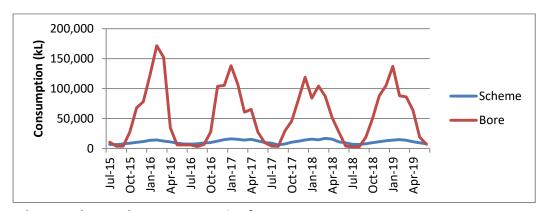
CITY OF FREMANTLE CORPORATE DATA

	2015/16	2016/17	2017/18	2018/19
Scheme (kL)	117,195	142,685	140,393	124,419
Groundwater (kL)	683,025	659,800	639,252	665,172

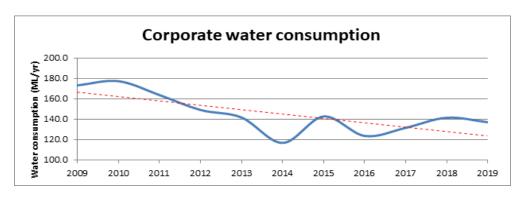
TOP FIVE SCHEME WATER USES

	2017/18 (kl)	2018/19 (kl)	Reason
Leighton Garden Service	0	10,116	A massive leak over a few months. This has been fixed and the meter returns to no usage.
Town Hall / King Square	10,029	8,031	Leak in the irrigation system was repaired and on-going construction works have moved into a lower water usage stage.
Gilbert Fraser Reserve	5,317	6,280	Ongoing investigation into source of increased water consumption.
Swimming Pool	5,004	5,154	There has been a steady increase in numbers of users which results in more shower usage which is the largest water use

South Beach Kiosl Change rooms	·	b	Leak repaired and construction activition been completed so water use has return a reasonable level.	
TOP FIVE GROUND	WATER USES			
	2015/16	2016/17	2017/18	2018/19
Fremantle Golf Course	157,972	155,841	142,993	149,575
South Beach Parks	53,250	58,125	47,770	57,279
Memorial Reserve	38,697	39,070	43,177	54,177
Hilton Park	52,691	50,888	52,806	53,645
Dick Lawrence Oval	43,961	48,056	39,210	42,690



Scheme and Groundwater consumption from FYE 2016 to FYE 2018



Scheme water consumption for the past 10 years, trending downward

PROJECTS AND A	CTIONS
ACTION	DESCRIPTION
GOLD WATERWISE STATUS	The City of Fremantle re-instated its status as a Gold Waterwise Council. The Waterwise Council Program is a partnership between Water Corporation and the Department of Water and Environmental Regulation. The Program supports and encourages councils in their continuous improvement across the water cycle and adoption of water sensitive principles. The Gold Waterwise Council 2019 Annual Report provides further detail about areas where improvements have been made to procedures and infrastructure to reduce water use.

PROJECTS AND ACTIONS

Water efficient maintenance practices

Water efficient maintenance practices for general operation

- Meters for reticulation are read monthly by Parks and Landscape.
- Water use at all City owned facilities are monitored monthly by the City Assets team. Increases in water use are identified, reported and investigated to determine source (increased use, leaks etc) and addressed.
- All City owned facilities are regularly inspected and reported as part of the asset management program and include maintenance and replacement of water fixtures.
- Turf renovation program consisting of scarifying, coring and deep slicing.
- Applications of wetting agent.
- Constant monitoring and adjustment to turf mowing height.
- Soil profile amendments and deep penetrating irrigation cycles to entice deeper turf root development.
- Ongoing program of replacing existing irrigation controllers with cloud based control systems.
- Installation of soil moisture sensors in turf areas.
- Hydrozoning of irrigation to focus on priority areas. See My Say Freo for an example: Alfred Park.⁸

Irrigation system improvements

- Ongoing program of replacing existing irrigation controllers with cloud based control systems.
- These controllers support remote notifications and function of the irrigation systems, providing increased water efficiencies.
- Modifications of in-ground irrigation network to focus irrigation on priority areas.
- Installation of soil moisture sensors in turf areas.

Water efficient maintenance practices

- Turf renovation program consisting of scarifying, coring and deep slicing.
- Applications of wetting agent.
- Constant monitoring and adjustment to turf mowing height.
- Soil profile amendments and deep penetrating irrigation cycles to entice deeper turf root development.

Groundwater reduction measures

The City is committed to reducing its use of both scheme and ground water. 2019 was a dry year, and included a particularly long and dry summer period which required increased water use. The graph below from WaterCorp⁹ shows the rainfall for 2019 as compared with longer term averages:

⁸ https://mysay.fremantle.wa.gov.au/AlfredPark

⁹ https://www.watercorporation.com.au/water-supply/rainfall-and-dams/rainfall

PROJECTS AND ACTIONS

Showing: monthly rainfall 2020, monthly rainfall 2019, monthly rainfall 2018, monthly rainfall 2017, average monthly rainfall

Year	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	TOTAL
2020	3.0	0.0											3.0
2019	7.2	0.2	6.2	44.2	17.8	212.0	108.6	114.4	31.0	20.2	17.8	2.2	581.8
2018	106.2	0.2	2.6	20.6	67.4	126.4	152.0	186.0	35.2	40.0	3.2	1.8	741.6
2017	45.4	137.2	23.6	0.0	70.8	88.0	172.6	151.6	77.4	42.0	4.8	40.6	854.0
AVE (1994 - 2017)	16.7	13.0	21.0	37.2	88.7	126.9	146.6	122.1	87.0	38.7	23.2	11.7	732.8
AVE (1876 - 2016)	9.7	12.5	19.5	44.2	116.9	173.1	167.7	132.9	81.0	51.5	22.4	13.1	844.5

In recent years, groundwater use has remained fairly stable, at slightly below the allocation level determined by the Department of Water, which is responsible for maintaining the sustainable extraction of aquifers across the state¹⁰. The major users of the City's water are public open space, including ovals and a golf course. These sites have aging irrigation systems, for which a program of repair and replacement has been developed for rollout from 2020, which will gradually lead to water efficiencies. The replacement program is also an opportunity to reassess and potentially change the function of public open spaces, and implement landscaping, hydrozoning and irrigation layout changes that can maximise efficiencies while improving the quality and usability of the space. The replacement of the golf course irrigation, as a result of significant adjacent roadworks, should have a noticeable impact on consumption.

It should be noted that while the City is committed to increasing the quality and quantity of public open space, verges and street trees, the groundwater allocation from the Department of Water does not increase. In fact, due to the drying climate and increased competition for groundwater use, allocations are likely to reduce in the pear future.

Monthly Working Group

In 2018, a cross functional working group was established to discuss and monitor progress on the City's sustainability action plans, including the Waterwise Council Action Plan, Greening Fremantle Strategy 2020, Urban Forest Plan, Energy Management Plan, Waste Management Strategy and One Planet Strategy. The working group includes members from Strategic Planning (Sustainability and Strategy) and Infrastructure and Project Delivery (Sustainability, Assets/Facilities and Waste Management). The group meets once every two months.

¹⁰ http://www.water.wa.gov.au/planning-for-the-future/allocation-plans

The Department of Water issues very large fines for going over groundwater allocations.

LOCAL AND SUSTAINABLE FOOD - CORPORATE

Choosing low impact, local, seasonal and organic diets and reducing food waste

CITY OF FREMANTLE TARGET

The City of Fremantle will ensure that 100% of food purchased by Council is sourced from local suppliers and includes both healthy and vegetarian options. In line with our Fair Trade City status, only Fair Trade tea and coffee will be purchased for staff. The City will support community actions to increase local and sustainable food purchase and achieve better nutrition.

INDICATOR

Proportion of catering sourced from local businesses.

Continue to monitor food purchasing annually.

Number of healthy food messages internally and externally to the community.

BASELINE DATA

Baseline not required as local and sustainable food purchasing is built in to Fair Trade program and our sustainable procurement procedure.

2017, 2018 and 2019 DATA

Fremantle continues to be a recognised Fair Trade City and only fair trade tea and coffee is supplied to staff.

Catering for internal events continues to be sourced from local companies. 100% of catering is sourced from local Fremantle companies, and a vegetarian option is always provided. Organic food is requested for all Councillor meals, and is provided where possible (estimated to be 60% of the time).

Numerous community workshops, talks and information sessions are held through the Curious Program. Coordinators of these events ensure that a selection of healthy food is always available, such as fresh fruit and vegetables, homemade dip and nuts. Food is sourced from local retailers and plastic packaging is avoided where possible (as in line with the Sustainable Events Policy).

TRAVEL AND TRANSPORT - CORPORATE

Encouraging low carbon modes of transport to reduce emissions, and reducing the need to travel

CITY OF FREMANTLE TARGET

The City of Fremantle will increase staff sustainable transport use by 15% by June 2016 and 30% by 2020, from a 2010 baseline. The City will also reduce corporate transport emissions by at least 30% by 2020, from a 2010 baseline.

INDICATORS

- Travel to work survey
- Fleet emissions data
- Staff use of smart riders for business meetings

BASELINE DATA

2018 DATA (refer to key project for discussion)

A 2010 workplace survey found that:

- 79% of people drove to work
- 6% drove a Council car
- 2% were a passenger
- 8% took public transport
- 5% walked or cycled

A 2018 workplace survey found that:

- 55% of people drove to work
- 2% drove a Council car
- 8% were a passenger
- 19% took public transport
- 12% walked or cycled

2020 GOAL

- 73% car use
- 27% sustainable transport (car as passenger, public transport, walking and cycling)

FLEET EMISSIONS DATA

The City's carbon emissions from our fleet vehicles was calculated based on a combination of reports through the fuel card system from the provider (BP) and depot fuel consumption figures. The City's fleet includes 50 light vehicles, 39 heavy vehicles and 7 major plant equipment.

The data for FYE 2016 includes a lot of estimated data, while the data for FYE 2017 and FYE 2018 is considered to be more accurate. The difference between FYE 2017 and FYE 2018 is considered to be natural variation (2% difference). Fleet numbers have decreased in general and we have added two more efficient hybrid vehicles to the staff fleet, however the majority of impact comes from diesel trucks and utes that are yet to be updated to more fuel efficient vehicles.

FYE 2016	FYE 2017	FYE 2018	FYE 2019
773 t CO2e	820 t CO2e	839 t CO2e	792 t CO2e

STAFF USE OF PUBLIC TRANSPORT

Staff use of public transport for meetings is estimated from use of the staff smart riders (public transport cards) for business meetings. In 2017, they were borrowed 57 times, equating to roughly 114 trips; compared to 92 times in 2018, equating to roughly 184 trips. The data for 2019 is incomplete but suggests much few trips by staff. As with last year, staff are likely using their own public transport cards if travelling between an external meeting and home.

STAFF TRAVEL TO WORK

No staff travel to work survey undertaken in 2019. Awaiting move into new offices (with improved end of trip facilities) in 2021 before undertaking the next survey.

PROJECTS AND	ACTIONS				
ACTION	DESCRIPTION				
Review of car share policy	The City finalised a car share policy, which was endorsed by Council. The new policy aims to encourage car share operators to set up business in Fremantle, which would in turn providing a greater mix of transport options for residents and visitors and reducing the need for individual car ownership.				
Love to Ride	Staff participated in the state-wide Love to Ride bike month over November. An activity aimed at 'rusty riders' to encourage people back onto bikes for leisure and commutes as well as rewarding those already riding. This event has inspired two more staff members to get back on the bike and ride to work. ORGANISATION PROFILE				
	City of Fremantle				
	WA Bike Month Challenge 2019 -				
	9.6% PARTICIPATION OUT OF 250 CYCLING NEW RIDERS 4,906 KILOMETRES CYCLED				
	356 TRIPS CYCLED 2,203 COMMUTE KILOMETERS 212 COMMUTE TRIPS KG CO2 0				
Promotion of bike use	Continuing promotion of the staff bike options for short trips, including staged updating of bike fleet.				
End of Trip design for new administration building	The new building will have internal end of trip facilities including showers, change rooms and lockers, co-located with bike storage. The ratio is 1 bike rack per 10 staff members, with a total of 36 racks.				
GGo Electric Scooter trial	From December 2019, the City of Fremantle is trialling two GGo electric scooters for one year. The Vespa-style scooters are available for staff use for travelling to meetings and site visits. Charging is based at the administration building, which has solar on the roof. Scooters can travel at 60km/hr with a maximum range of 100km on a full charge. Several rounds of training have occurred for groups of staff. If the trial is successful, the program may be rolled out to other worksites including the depot.				
EV rubbish truck trial	In October, the City began trialling an electric rubbish truck as part of its residential waste service through waste contractor Cleanaway. The results of the trial will be known in 2020.				

MATERIALS AND PRODUCTS - CORPORATE

Using materials from sustainable sources and promoting products which help people reduce consumption.

CITY OF FREMANTLE TARGET

The City of Fremantle will implement its sustainable procurement procedure for assessing suppliers against relevant sustainability criteria, and it will implement the Sustainable Events Policy to minimise the impact of events. Through the Going Digital project, we will reduce our pages printed by 90% by 2020, based on 2017 levels.

INDICATOR

Proportion of expenditure assessed against sustainability criteria.

Disposable coffee cups purchased by staff per day

Amount of paper purchased for printing per year

BASELINE DATA

A sustainable procurement procedure was implemented in 2016, so that all tenders over \$150,000 are assessed on sustainability criteria. Our procurement team review the tenders to ensure that this occurs. The proportion of tenders that contained sustainability criteria prior to this is unknown.

2017 DATA	2018 DATA	2019 DATA
Disposable coffee cup use in main administration building halved from 86 cups per day to 43 cups per day after a six week campaign, based on roughly 190 people in the office.	Disposable coffee cup use in main administration building was counted at 22 cups per day, based on roughly 190 people in the office.	No survey undertaken
All tenders over \$150,000 include a minimum 10% sustainability component. This accounts for 34% of the City's total expenditure.	All tenders over \$50,000 include a minimum 10% sustainability component. This accounts for 51% of the City's total expenditure.	All tenders over \$50,000 include a minimum 10% sustainability component. On 31 October 2019, 56% of expenditure had been reviewed against the 10% for Sustainability, helping to shift the way suppliers think about the impact of their products and services.
A4 paper purchased (FYE 2017): 2765 reams	A4 paper purchased (FYE 2018): 1430 reams	A4 paper purchased (FYE 2019): 1056 reams
A3 paper purchased (FYE 2017): 110 reams	A3 paper purchased (FYE 2018): 60 reams	A3 paper purchased (FYE 2019): 46 reams

PROJECTS AND ACTIO	ons — — — — — — — — — — — — — — — — — — —
ACTION	DESCRIPTION
Ban on the release of gas-filled balloons	Fremantle Council made a determination in June to prohibit the release of gas-filled balloons from all local government property in the City of Fremantle. The ban has been in place since July, with offenders being fined \$125. To help educate the community about the reasoning behind the balloon-ban, the library ran two screenings of the movie 'Rubber Jellyfish',

PROJECTS AND ACTIONS which included a talk about the City's sustainable events policy. Going Digital The Going Digital project started in late 2017, with the goal to significantly project reduce paper reliance, improve productivity and efficiency and allow more flexibility in the workplace. The aim is to reduce the number of pages printed by 90% by 2020, based on 2017 levels. Our One Planet target has been updated to reflect this. In late 2017, all staff were provided with a portable computer device to help reduce their reliance on paper and enable more flexibility. In 2018, the Going Digital Project team reviewed internal processes and activities that generate paper. Findings from December 2018 included: Within a year, our print count reduced from 108,054 to 63,999 pages, which was roughly 44,000 less copies of paper. If laid out, the paper saved would almost reach from Fremantle to Perth (19km). At \$0.019 per A4 page for printing this equals \$836 saved in one year. Statutory Planning deals with roughly 1000 Development Applications, Subdivisions and enquiries per year. Emailing decisions rather than sending printed copies saved approximately 15,000 - 20,000 pages per year and roughly \$380 in printing. Payroll reduced the number of forms from 24 to 14. Reduction in offset archiving went from 2142 boxes in 2017 to 820 boxes in 2018. From October 2018, Finance started emailing debtor invoices and statements rather than printing, and only provided electronic copies of budget documents. The 2019 data noted above shows further decreases in paper

consumption.

ZERO WASTE - CORPORATE

Reducing waste, reusing where possible, and ultimately sending zero waste to landfill

A proportion of the City's corporate and community waste is collected and transferred to the Southern Metropolitan Regional Council's (SMRC) Regional Resource Recovery Centre (RRRC) located in Canning Vale. Contents from the waste (green-topped) bin are separated into organic vs non organic, and the organic component is processed into compost used in local farming. The non-organic component goes to landfill. Contents from the recycling (yellow-topped bin) are sorted and baled at the RRRC and sold for reprocessing to make new products both in Australia and overseas. More information on these processes can be found at http://smrc.com.au/community-information/.

Corporate, commercial and community waste that is collected by the City that does not go to the SMRC RRRC, and cannot currently be recycled or reused, is sent to Henderson Waste Recovery Park (HWRP) for disposal. The HWRP is a regional waste disposal and recycling facility licenced to accept a range of domestic and commercial waste.

Because our corporate waste is collected in conjunction with community waste, it is difficult to measure the separate corporate waste streams. Our corporate baseline data was obtained by an audit undertaken in 2010. The 2010 figures provide a snapshot of waste information. Some facilities may generate more waste than others due to events and visitors, and the amount of waste generated may change over the course of the year. Due to financial constraints it is not possible to replicate the corporate waste audit per year.

CITY OF FREMANTLE TARGET

The City of Fremantle will aim to reduce its corporate waste by 25% by 2020 against an agreed baseline and increase its co-mingled recycling and organic waste diversion from landfill to at least 70% in all Council buildings and facilities by 2020.

INDICATOR

An annual waste audit will be conducted in the main administration building, to measure and track our goal towards a 25% reduction in corporate waste by 2025.

BASELINE DATA (2010)	2025 GOAL
Total waste: 343 tonnes	Total waste: equal to or less than 246 tonnes
Waste/employee/week: 19kg	Waste/employee/week: 14kg

CITY RECYCLING DATA				
	FYE 2017	FYE 2018	FYE 2019	
Construction and Demolition Waste Recycled (m³)	0	495	6,866	
Construction and Demolition Waste Recycled (%)	0	43	96	

PROJECTS ACTIONS	AND	
ACTION	DESCRIPTION	

Food Organic Garden Organic (FOGO) roll out

In September of 2019, the City rolled out its new Food Organic Garden Organic (FOGO) waste service. This involved the roll-out of close to 22,000 new bins to approximately 11,000 households. Under the new system people kept their existing yellow-topped recycling bin, and were given a new lime green FOGO bin and a new red general waste bin to replace the old green bin. Around 500 of the old green bins have been kept for future use and the rest were recycled for the production of new waste bins. Residents were also provided with their kitchen caddy and a years' worth of compostable liners.

The project was a huge success and involved multiple areas of the organisation. As part of this process, the City introduced new waste collection days and boundaries to facilitate a more efficient collection process and improve the simplicity of the City's waste service.

Following on from the roll out, the City, in conjunction with SMRC, will begin a comprehensive bin tagging program in February 2020. The bin tagging program is designed to assist residents in adapting to the new system and minimising contamination in all waste bins.

The next phase of the FOGO roll out involves the introduction of the FOGO service to the City's high density residential properties. The City is working with the SMRC to determine best practise FOGO service solutions for these properties and has even engaged with other interested Perth Councils dealing with high density.

https://cofremantle.wordpress.com/2019/09/16/fogo-is-here/

Old bins shredded to make new ones

Approximately 11,000 old green rubbish bins were collected and recycled as part of the City of Fremantle's roll out of the new three-bin FOGO system. Around 600 of the old green bins are set aside for reuse, while the rest will be shredded and used to make new bins. The City's bin supplier, Mastec, is an Australian company that has their own state-of-the-art reprocessing and manufacturing plant in Adelaide. As part of the FOGO rollout, Mastec collected the old bins and sent them to their reprocessing plant where they were shredded and washed, with the reprocessed bin materials then delivered to their manufacturing plant to be made into new bins.

Freo Recycling Centre Reuse Shop

The Reuse Shop opened at the Fremantle Recycling Centre in February. The Reuse Shop has a wide range of goods for sale – including furniture, camping gear, surf boards, gardening equipment, toys, books, DVDs and musical instruments – that would have otherwise gone to landfill. The shop is available for Fremantle and East Fremantle residents to drop items off at, and for anyone to buy from. ¹¹

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¹¹ https://cofremantle.wordpress.com/2019/02/27/trash-and-treasure-at-new-freo-recycling-centre-reuse-shop/

ZERO CARBON ENERGY – CORPORATE

Making buildings energy efficient and delivering all energy with renewable technologies

CITY OF FREMANTLE TARGET

The City of Fremantle will maintain its pledge of carbon neutrality for corporate emissions to 2020 via a mix of green power purchase options, renewable energy and energy efficiency measures. A plan will be in place for all buildings to be powered by 100% renewable energy by 2025.

INDICATOR

Carbon emissions from electricity, natural gas, the City's fleet and refrigerant gases

CARBON EMISSIONS

In line with the recommendations outlined in the City's Corporate Energy Plan (2017), in 2018 a review of our carbon accounting methodology and data from previous years was undertaken. The revised data presented below and in Figure 2 is considered to be a more accurate representation of carbon emissions than what was presented in previous annual reports, as it includes the removal of duplicate data for emissions from electricity, and the addition of emissions from fleet and refrigerant gases. Asset nomenclature has also been revised to ensure consistency of naming between different departments.

The revised data presented below includes:

- Council facilities: 76 facilities including carparks and excluding leased buildings
- Lighting: auxiliary lighting and street lighting
- Parks and reserves
- Sports and physical recreation: Fremantle Leisure Centre, Ken Allen Field and Samson Recreation Centre.
- Fleet data: 50 light vehicles, 39 heavy vehicles and 7 major plant equipment.
- Refrigerant gases for FYE 2018 and 2019. This was not calculated for FYE 2016 or FYE 2017.

Overall, total emissions have decreased. This can largely be attributed to the move from the old Council Administration Building to Fremantle Oval. The building at Fremantle Oval is considered to be more energy efficient and houses a larger number of people in a smaller space.

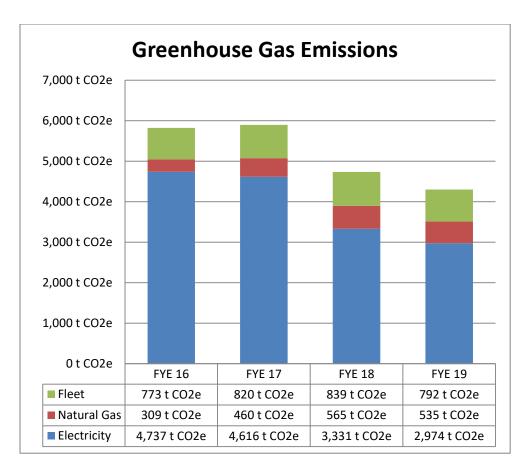
Natural gas use is largely attributed to use at the Fremantle Leisure Centre. The increase in gas use between years can be attributed to both natural variation and breakdown of the cogeneration system in FYE 2018.

t CO₂e	FYE 2016	FYE 2017	FYE 2018	FYE 2019
Electricity	4737	4616	3331	2974
Natural Gas	309	460	565	535
Fleet	773	820	839	792
Refrigerant gases	-	-	108	108
TOTAL	5820	5896	4843	4408

SOLAR ENERGY PRODUCED

The information below is based on five City buildings and/or facilities with solar panels.

	EVE 2016	EVE 2017	EVE 2010	EVE 2010
	FYE 2016	FYE 2017	FYE 2018	FYE 2019
Solar production (MWh)	33	56	88	140
Carbon saved (t CO2e)	24	41	66	104
Solar proportion of total electricity (%)	0.5	0.9	2.0	3.5



Carbon emissions from electricity, natural gas and fleet

ADDITIONAL PROJECTS AND ACTIONS				
ACTION	DESCRIPTION			
Carbon Neutrality	Fremantle has been a carbon neutral Council since 2009. Our residual emissions are currently offset via the purchase of a combination of local biodiversity offsets and certified overseas offsets. In FYE 2016 and 2017, the City purchased 6000 tonnes of carbon to offset emissions. In FYE 2018, the City offset 5000 tonnes of carbon emissions through the surrender of Biodiverse Reforestation Carbon Offsets in the Yarra Yarra Biodiversity Corridor in Western Australia, and internationally certified offsets from bundled wind power projects in India. Our purchase of offsets will decrease as we move towards 100% renewable energy.			
Upgrade to LED lights	Our Facilities Management Team also ensures that LED lights are installed for all new projects/facility upgrades. In October, four light towers at the Hilton Park recreation facility were upgraded to include LED lights. In addition to using far less energy than the old metal halide lights the LEDs are much brighter, allowing clubs to schedule night games and training.			

One Planet Living Community

HEALTH AND HAPPINESS - COMMUNITY

Encouraging active, sociable, meaningful lives to promote good health and well being

CITY OF FREMANTLE TARGET

The City of Fremantle will promote and support health and wellbeing in the community by providing increased access to opportunities for community members to participate in programs relevant to their needs. The City will monitor increase in uptake of relevant health and wellbeing programs on offer through the various City and community organisations offering opportunities.

INDICATOR

Number of people accessing City events, facilities and programs WA Police crime statistics (Fremantle offences)

DATA	2015	2016	2017	2018	2019
Leisure Centre visits	460,000	456,000	488,660	496,080	495,590
Leisure Centre members per month	-	-	970	921	924
Library visits ¹²	200,000	210,000	174,608	130,233	N/A
Library borrowings	-	-	146,827	120,432	N/A
Visitor centre numbers ¹³	-	-	88,660	66,852	67, 081
One Stop Shop / Wanjoo Lounge participants per day	40	40	38	-	25
Fremantle offences (FY) ¹⁴	3278	3811	3496	3428	3907

LIFELONG LEARNING PROGRAMS

A variety of ongoing programs and classes that promote Health and Happiness are run through the Lifelong Learning Program on a weekly basis. The majority of classes are attended by 12 people on average per week. Programs include fitness classes such as Pilates, dancing devas, stretch and balance, seniors badminton and ladies netball, relaxation classes such as mindfulness meditation and yoga and relaxation; or support groups including Grow Mental Health Support Group, Hearing Voices Fremantle, Speakeasy, Caring for Someone with Dementia and the Compassionate Friends of Western Australia.

KEY PROJECTS AND ACTIONS

PROJECT DESCRIPTION

¹² Numbers for 2015 and 2016 include visits and borrowings. Counting methodology changed in 2017 and 2018.

¹³ Door count was not available from October 2017 – March 2018. Total for Jan-March 2018 has been estimated.

https://www.police.wa.gov.au/Crime/CrimeStatistics#/ Data includes offences (including assault, burglary, graffiti, motor vehicle theft etc) from the suburb of Fremantle only

Community Shelf

A new initiative in the library is the Community Shelf, which is stocked with items donated by the staff and community that are needed by people experiencing homelessness or hardship. Community members can access the items without question. The intent is for this shelf to be filled with supplies via donation from community and staff.

On the first day of operation, a man in his 30s asked one of the library staff if he could take something from the community shelf. The staff member explained he could and he replied with, "This is so good, I can't access any services". He filled a bag with toiletries, a tin each of soup and salmon and then thanked the library staff several times as he left the building.



EYP Festival

EYP Festival 5.0 was held on 14 April 2019 at the Esplanade Youth Plaza. The focus this year was to make sure that the attractions on offer were more youth focussed than child focussed. Last year some of the workshops chosen seemed to attract younger kids. This was mitigated by choosing activities like spray painting and hip hop that weren't included last year. Skateboarding, parkour and slacklining — key features of the EYP were all activated through free drop in workshops or participation in the skate competition finale. The weather brought three sun showers during the event, but each time a handful of skaters picked up a squeegee and swept the whole skate park so that the competition could continue.

Attendance throughout the day would have been around 2500 – 3000 people. Running the event on the weekends, capitalises on the weekend visitor traffic. If the weather was sunny all day this would have increased attendance. It was encouraging though that even throughout the brief rainy periods, people gathered under marquees and waited for the rain to stop, rather than leaving. A survey of 86 young people on the day found that 88% of respondents felt the EYP is a youth friendly space. It was also interesting to see that 46% of young people just go to the EYP to hang out and not specifically use any of the features. This is a key indicator that they feel the place is welcoming and safe to be there.



Cycling Without Age

Cycling Without Age, an international not-for-profit organisation that allows elderly and less mobile people to experience an outdoor ride on trishaw ebikes piloted by volunteer cyclists, has launched in Fremantle. The social enterprise was partially funded by the City of Fremantle's Arts and Community Grants program and received \$5000 earlier this year to help get it off the ground. Cycling Without Age was established in Denmark in 2012, and is represented in 42 countries around the world today. The first trishaws cycled Down Under in 2016, and Cycling Without Age Australia incorporated as a registered charity this year.



Freo Toy Library Open Day

Freo Toy Library opened its doors to the community for the 2018 Open Day in October, with Buster It's All About Play, a Cozy Coupe race track, sensory play area, LEGO station, face painting, sausage sizzle and a special storytime by local author Wendy Binks. Over 300 people attended the event at the Fremantle PCYC. Becoming a member of the Freo Toy Library is a great way to avoid toy burnout, by making use of the 2300+ toys in the collection. The feedback after the event indicated it was a great success and should occur each year.

Buster It's All About Play

Buster It's All about Play is a free, multi-sensory, hands-on active and child centred program that offers creative and fun opportunities for families to learn and play together. Throughout the year, Buster It's All About Play has appeared at many locations on Tuesday, Wednesday and Thursday mornings during term time, to allow families to engage with toys and other community members, reaching hundreds of attendees.

The Happiness Project

The City again collaborated with Edith Cowan University on The Happiness Project, which challenges second-year students in ECU's Bachelor of Design course to create a design that will "inject happiness into Fremantle". This year's focus is health and ageing.

Age Friendly City Plan

Approximately 150 stakeholders and community members were engaged in development of the Age Friendly Plan 2019-2024 in 2018 and providing feedback on the draft in 2019. Council adopted the Age Friendly City Plan 2019-2024 on 17 April 2019. The City of Fremantle has been recognised as a member of the World Health Organisation (WHO) Global Network of Age-Friendly Cities and Communities since 2016. The Plan is based on the WHO's eight, interconnected age friendly city domains — social participation, community support and health services, civic participation and employment, communication and information, outdoor spaces and buildings, respect and inclusion, transportation, and housing — and is supported by an internal implementation plan. The purpose of the Plan is to prioritise positive ageing

	opportunities for the Fremantle community, and creating a great place for older people to visit.
Library Sports Equipment	Being located at Fremantle Oval now means that library can also be a space for physical activity. A range of sports equipment such as footballs, soccer balls, Frisbees, grip balls, vortexes and skipping ropes can now be loaned for use on the oval. Whether it's a break between study sessions or entertaining the kids before or after a visit to the library, the addition of the sports equipment has been a big hit.
Community Safety and Crime Prevention Plan 2019-2023	The <u>Community Safety and Crime Prevention Plan</u> was adopted by the Council in September 2019. It sets clear timelines, targets and responsibilities based on stakeholder and community engagement and statistics. The development, implementation and review of the Plan was overseen by the Community Safety Reference Group (CSRG), which includes the WA Police and CoF staff and elected members.
Fremantle Park Sport and Community Centre	Construction of the Fremantle Park Sport and Community Centre was completed in December, and is home for the Fremantle Workers Social and Leisure Club, Fremantle Lawn Tennis Club and Fremantle Bowling Club.

EQUITY AND LOCAL ECONOMY - COMMUNITY

Creating safe, equitable places to live and work which support local prosperity and international fair trade

CITY OF FREMANTLE TARGET

The City of Fremantle will continue to provide a broad range of support and incentive mechanisms to foster new and existing local business. It will support the community in its drive towards economic, environmental and social sustainability. It will provide a full package of support, training and engagement mechanisms in accordance with its Economic Development Strategy by 2020.

INDICATORS

Population data (Census data)

People working in the City (Economic ID – https://economic-indicators.id.com.au/)

Net lettable office and retail area (City of Fremantle development pipeline report)¹⁵

Vacancy rates (City of Fremantle vacancy report)

Engagement with the community (MySay visitors)

DATA	2016	2017	2018	2019
People living in the City	30,572	31,568	30,868 ¹⁶	30,868 ¹⁷
People working in the City	32,600	31,015	30,426	30,584
Nett lettable office area (sqm) ¹⁶	38,234	39,621	41,644	52,993
Nett lettable retail area (sqm) ¹⁶	16,568	21,191	40,149	36,722
Retail vacancy rate (%)	9.2	11.0	13.4	15.1
MySayFreo visitor numbers	13,600	22,000	32,600	35,300

While the number of people working in the City has decreased and the retail vacancy rate increased in the last three years, these figures are consistent overall figures for WA and Perth. The completion of the Sirona Development and the King's Square Redevelopment Project (see additional projects) are major local economic regeneration projects that aim to bring people back into the City.

WALKING VISUAL AUDIT OF RETAILERS

In November 2017 and 2018, a walking visual audit of independent retailers was carried out on High Street (High St mall to Henry St) and Market Street (train station to Bannister St). Each shop front was counted as either 'Independent, Non-Independent or Vacant' and the below values then derived from these statistics.

High St	Market St
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¹⁵ Nett lettable area for office and retail are figures for additional nett lettable area on top of the existing lettable area as of 2016. It is a cumulative figure that refers to upcoming approved developments. The 2016 figures are taken from Fremantle's Economic Development Strategy 2015-2020. Total office supply from 2015-17 is estimated at 61,557 m² and retail at 65,390 m² (Land Use and Employment Survey 2015/17, Department of Planning, Lands and Heritage 2017).

¹⁶ Updated and corrected estimate from last year

Available March 25 2020 https://www.abs.gov.au/AUSSTATS/abs@.nsf/Lookup/3218.0Main+Features12017-18?OpenDocument

	2017	2018	2019	2017	2018	2019
Independent	70%	70%	76%	69%	61%	51%
Non-Independent	17%	21%	12%	22%	28%	35%
Vacant	13%	9%	12%	9%	11%	14%

KEY PROJECTS AND	KEY PROJECTS AND ACTIONS				
ACTION	DESCRIPTION				
Building Approvals	The City of Fremantle has recorded another strong year for building approvals, with more than \$231 million worth of projects approved for construction in 2018-19. The latest figures released by the Australian Bureau of Statistics follow the record \$313 million worth of building approvals in 2017-18, and means the value of buildings approved for construction in Fremantle has topped \$200 million in four of the past five years. These numbers from the ABS show that Fremantle has recorded of building approvals worth \$1.2 billion in the past five years. After the City of Perth, Fremantle has the highest amount of building approvals per capita in the metropolitan area. Commercial projects currently under construction in Fremantle include mixed office, retail and hospitality developments at Kings Square and the Manning Buildings ¹⁸ , and the transformation of the Old Synagogue into four new hospitality venues. ¹⁹				
	Fremantle Building Approvals 2001–2019 Some of the major developments since 2009 which have contributed to the recent growth in building approvals Legistron Geach-readential Marring Buildings-commercial Liv apartments-readential Residential Residential Residential Residential Some of the major developments since 2009 which have contributed to the recent growth in building approvals Rings Seque-commercial/retail Value of building approvals (\$m) Non-residential Residential Residential Some of the major developments since 2009 which have contributed to the recent growth in building approvals Rings Seque-commercial/retail Value of building approvals (\$m) Non-residential Residential Residential Some of the major developments since 2009 which have contributed to the recent growth in building approvals Rings Seque-commercial/retail				
Business Capacity Building Program.	The City of Fremantle successfully piloted a Capacity Building Program designed to encourage local small businesses to access business support across all facets including marketing, bookkeeping and business planning. More than 60 businesses participated in the program in 2018/19. In recognition of the importance of growing the tourism sector, the City delivered three workshops facilitated by Tourism Council WA exclusively for Fremantle				

https://cofremantle.wordpress.com/2019/09/17/the-wonderful-redevelopment-of-freos-manning-buildings/
Summary of state and national economic context for Fremantle's development

KEY PROJECTS AND	ACTIONS
	tourism businesses. The workshops focussed on taking advantage of the global travel distribution system, which enables businesses to establish connections with wholesaler and travel agents to promote their products nationally and internationally.
Small Business initiative	The City of Fremantle has committed to supporting local businesses by signing up to the Small Business Friendly Local Governments initiative. The initiative run by the Small Business Development Corporation requires local governments to sign a charter which outlines what they will do to support small business in their area. The charter includes standard activities required of all local governments as well as at least three additional activities specifically suited to the size and demographics of individual councils. It also includes recognition that the small business community is an important stakeholder, a commitment to provide clear advice and guidance on regulations and compliance and an agreement to limit administrative burdens on small business.
Set the Month in Motion	The City of Fremantle initiated and funded a business capacity building program produced by the Fremantle Chamber of Commerce, including monthly forums and a podcast. Participating in the forums were local business experts who shared their knowledge across a range of topics tailored to the Fremantle market.
Destination Marketing	The City of Fremantle launched its new destination marketing brand, THIS IS FREMANTLE in April 2019. This was followed by a major brand awareness campaign, the launch of a new website "Visit Fremantle" and continuing projects to issue collateral, run tactical campaigns, host families and promote the brand.

CULTURE AND COMMUNITY - COMMUNITY

Nurturing local identity and heritage, empowering communities and promoting a culture of sustainability

CITY OF FREMANTLE TARGET

The City of Fremantle will promote an understanding of the One Planet Council program with the community and commit to enabling at least 3000 people per year to engage in one planet related activities (10% of population) - including community and cultural events.

INDICATOR

High level of commitment to supporting arts, culture and festivals, sustainability practice and lifelong learning opportunities across a range of community facilities.

Engagement with the community (MySay Freo visitors)

DATA ²⁰	2017	2018	2019
Fremantle International Street Arts Festival	150,000 people	80,000 people	100, 000
Fremantle Festival	35,000 people	15,000 people	11, 116
One Day in Fremantle	15,000 people	15,000 people	8-10,000
Heritage Festival	3000 people	2000 people	2,000
Hidden Treasures	4500 people	4000 people	1,878
Living Smart Workshops	55 people	46 people	47 people
One Stop Shop / Wanjoo Lounge	38 people/day	28 people/day	25 people/day
My Say Freo (2016 benchmark of 13,600)	22,000 visits	32,600 visits	35,300

ADDITIONAL PROJE	ADDITIONAL PROJECTS AND ACTIONS			
ACTION	DESCRIPTION			
Changes to festivals	2019 saw a change in the format of several of the City's festivals, which is reflected in the attendance numbers reported above. Numbers were down for the Fremantle International Street Arts Festival as the Friday was cancelled due to bad weather, with a subsequent loss of audience. The Fremantle Festival was held in July this year, with previous festival numbers including Wardarnji & Blessing of the Fleet (these events took place in November both were successful). A new format was trialled for Hidden Treasures, with a three night program instead of four nights. In addition, some usual Hidden Treasures events were moved to other City events, such as the Hidden Treasures/Music special event 10 Nights in Port which included acts Cinema Prague, Felicity Groom and Heavenly Bodies.			
LivingSmart workshops	To promote a culture of sustainability in our community, the City sponsors Living Smart to run sustainability workshops at discounted prices for residents. The workshops run for one night over seven consecutive weeks, and in line with the One Planet principles they cover topics such as energy efficiency and carbon			

²⁰ For unticketed events crowd size is estimated.

ADDITIONAL PROJECTS AND ACTIONS

emissions, water sustainability, waste and recycling, living simply, making chemical-free household and personal products, gardening for biodiversity and creating compost. The workshops enable participants to meet other like-minded community members and discover practical ways to live a healthier lifestyle and live more gently on the planet. Across the two courses, 47 people attended. Following the May/June course, a survey of participants indicated that:

- 76% of participants had reduced their water use
- 65% had improved their energy efficiency and 6% were making plans to change
- 94% reported making changes to reduce waste with 6% making plans to change
- 59% said they had shifted one or more regular car trips to another mode with 29% intending to do so.

Community Grants

Twice a year, in March and September, the City offers arts grants of up to \$25,000 and community grants up to \$10,000 for projects or activities that contribute to Fremantle's wellbeing, vibrancy and cultural diversity. The grants are financed from the City's annual arts pool of \$50,000 and community pool of \$60,000. A free public event held during Fremantle Biennale, which explored both dark and light aspects of WA's pearling industry history, was one of the projects supported in the September round. The arts grant supported screening of Kelsey Ashe's Pearls and Blackbirds film provided an insight into the lives of female Aboriginal pearl divers and Japanese migrants in the late 19th century.

Aboriginal Cultural Centre

To learn about Nyoongar culture, the Walyalup Aboriginal Cultural Centre runs a program of craft, art and language workshops in alignment with the traditional six Nyoongar seasons.

A feasibility study into a new Nyoongar Cultural Centre in Fremantle was finalised in early 2019, with a consultant appointed to engage with the Aboriginal community and to lead the creative and visioning process. Several sites have been identified for a new centre, and the City is currently in discussions with the state government regarding funding.

Walyalup Reconciliation Action Plan (WRAP) endorsed

Following 18 months of engagement, the City of Fremantle Walyalup Reconciliation Action Plan (WRAP)²¹ was adopted at the Ordinary Council meeting on 26 June. The WRAP is a three year plan that is reported on annually. This is Council's first WRAP following the formative policy for respect, recognition and conciliation with Aboriginal people in 2000. Based on recommendation from Reconciliation Australia on the work the City of Fremantle has done thus far, Council decided to begin with a Stretch WRAP²².

The WRAP was developed in consultation with the WRAP Working Group, local Aboriginal community, elders and other stakeholders through a series of workshops and meetings facilitated by Kambarang Services. The diverse input from over 100 people has been summarised into a practical plan for Reconciliation, focused around Relationships, Respect, Opportunity and Governance. It contains 19 actions and 106 deliverables over the next three years.

https://www.fremantle.wa.gov.au/sites/default/files/Walyalup%20Reconciliation%20Action%20Plan%2020 19-22.pdf

For information on the types of Reconciliation Action Plans that can be prepared, see http://www.naclc.org.au/resources/A%20Reconciliation%20Action%20Plan%20for%20your%20Community%20Legal%20Centr.pdf

ADDITIONAL PROJECTS AND ACTIONS

Round House Conservation Management Plan engagement

The City is preparing a conservation management plan for the Round House building, and in 2019 began an intensive engagement process to inform its creation.

As the earliest public building in Western Australia and our first gaol, the Round House is an extremely important heritage place that is central to key stories about the establishment of the Swan River Colony, the dispossession of the original inhabitants and the development of the Port of Fremantle.

The Round House also has strong links to the Aboriginal Prison on Rottnest when it was used as a holding place for prisoners awaiting transportation and the Fremantle Gaol when it was used as a lock-up for ticket-of –leave men from the Convict Establishment.

After being saved from demolition three times in the 1920s, the Round House is one of the first places in WA to be recognised as a historic site. Since the 1980s it has been vested in the City of Fremantle and since 1998 it and has been managed by the Fremantle Volunteer Heritage Guides who have opened it daily for visitors.

Arthur Head and cliff stabilisation

Through 2019, a project plan was developed for the stabilisation of the remnants of the limestone heads and its historic structures, such as the Roundhouse, sited on top, and the whalers' tunnel below. The project plan for Arthur Head was completed in 2019, with work on the Roundhouse conservation plan continuing into 2020 in addition to an ongoing search for funding to implement the project work.

25under25 Art Award

Now in its eighth year, 25under25 celebrates the strength and vibrancy young artists bring to our creative community, as well as providing them with valuable, professional exhibition experience to help guide their art careers. The Art Award winner, Genevieve Matthew, for her delicate ceramic work 'Ocean in the Plastic', received \$1500 cash and a four-week studio residency at Fremantle Arts Centre²³.

Civic Centre construction begins

New civic centre and library in Kings Square began construction, with the first sod turned in April 2019.

The new building, due for completion by the end of 2020 will feature a range of sustainability features:

- 240kW of roof top solar photovoltaic panels;
- Mixed mode ventilation:
 - 466 automatically operable awning windows on level 1, 2 and 3 office tenancies (including tenancies to be leased).
 - Windows automatically controlled by Building Management System.
 - Natural ventilation over ride button in each tenancy to provide local over ride control.
 - AC in 'fan only' mode when windows are open to assist in natural air movement.
 - Temperature control points are variable but designed to between 19C and 26C

²³The 2019 25under25 catalogue can be viewed here: https://www.fremantle.wa.gov.au/sites/default/files/25Under25 Catalogue 2019 Digital.pdf

ADDITIONAL PROJECTS AND ACTIONS

- Building AC is capable of maintaining typical office conditions are for 21C to 24C at all times if required – but this will use more energy and compromise our 100% net renewable energy target.
- Well shaded façade with high performance glass to reduce excess heat gains and losses.
- CO2 sensors in office spaces and meeting rooms to allow for accurate control of the outside air provisions to ensure good air quality without compromising energy efficiency.
- 100% net renewable electricity for council operations (but not for tenancies)
 - Not certain as it depends on operating the building at wider temperature set points.
- Energy efficient LED lighting used throughout.
- Room allocated for future installation of batteries.
 - Installation of the batteries is not included in the current Pindan contract.
 - Batteries to be installed when the costs are low enough an investigation is currently underway to 'test' the market again to see how prices are tracking.
- Bicycle racks and end of trip facilities for 10% of staff, including estimated office tenant staff.
- Water efficient toilets, taps and showers installed to reduce water consumption.
- Paints, adhesives, sealants and carpets selected with low volatile organic compound emissions to maintain good indoor air quality.

Fremantle Library turns 70

September was a big month for the Library, which celebrated 70 years serving the Fremantle community. While the 'library paradigm' has certainly changed through the decades, its fundamental purpose to serve the community continues to thrive and we see this more than ever at our Fremantle Library. We have programs in place to help community find jobs, learn new languages or receive a helping hand with updated technology, as well as provide the classic offerings of a library including a comprehensive selection of books, DVDs and other materials. Fremantle Library provides a meeting space for social clubs and start-up businesses, access to the latest technology including 3D printers and robotics.

The celebrations included author panel talks with well-known Australian authors, a book sculpture exhibition in partnership with the Fremantle Arts Centre; and a big community event with music, entertainment, games and a birthday cake.

LAND AND NATURE - COMMUNITY

Protecting and restoring land for the benefit of people and wildlife

The City's original community target for Land and Nature has been updated to reflect the renaming of the Green Plan to Greening Fremantle: Strategy 2020 and a review of the canopy cover target to better reflect the intent to work towards 20% coverage by 2020. The old wording suggested that we would achieve 20% canopy coverage by 2020, however given the time it take for canopy to grow, this was not feasible. The target below also reflects the completion of the Urban Forest Plan in 2017

CITY OF FREMANTLE TARGET

The City of Fremantle will contribute to increasing levels of biodiversity and space for wildlife through their own strategies, guidelines and practices. The City of Fremantle will progressively increase tree planting across the city to achieve a minimum 20% canopy coverage. The City will deliver the outcomes of the Greening Fremantle: Strategy 2020 and Urban Forest Plan.

INDICATORS, BASELINE DATA AND 2017 DATA *

Refer to Land and Nature - Corporate

* The City and the community are intrinsically linked with land use and wildlife, as they both manage land and wildlife doesn't differentiate between public and private land. Therefore, our indicators and baseline data are the same for our Corporate and Community targets.

KEY PROJECTS AND ACTIONS

PROJECT

DESCRIPTION

Proposed cat management local law

Both feral and domestic cats kill enormous numbers of native animals in Australia every year²⁴. The purpose of the proposed local law is to provide the City of Fremantle with measures in addition to those under the Cat Act 2011 to control the keeping of cats. The effect of the proposed local law is to make provisions about the keeping of cats, to control the number of cats that can be kept, the places where cats can be kept and prescribe areas in which cats are prohibited. For more information see My Say Freo.²⁵

The City has been undertaking an integrated feral pest animal control program (feral rabbits, feral cats, foxes) in natural area reserves since October 2018. In addition, the City has participated in two South West Group NRM and state government funded regional projects to improve cat owner awareness and education about the negative impact of domestic cats that roam outside their owners properties, and to better understand fox movements in urban environments to improve control program outcomes.

https://mysay.fremantle.wa.gov.au/catLL

⁴ https://www.abc.net.au/news/2019-07-15/cats-kill-billions-of-animals-each-year-in-australia/11307684

SUSTAINABLE WATER - COMMUNITY

Using water efficiently, protecting local water resources and reducing flooding and drought

Similar to our corporate information, our community water use provided below is based on financial year data provided in our Waterwise Council Action Plan and supplied by the Water Corporation. Our Waterwise Council Action Plan details key actions for the future in relation to our community targets. Data to date shows that our target of a 10% per capita reduction in water use from 2010 levels has been achieved ahead of schedule. Water levels dropped 23.5% from 423 L/person/day in 2010 to 323 L/person/day in 2016/17; however they rose again slightly to 328 L/person/day in 2017/18. Our community water data includes water use from both residential and industry (ie. Hospitality/construction) uses, so actual water use per capita is likely to be slightly lower. Residential water use accounts for roughly 75% of total usage.

CITY OF FREMANTLE TARGET

The City of Fremantle will encourage and enable the community to achieve a 10% per capita reduction in potable water use by 2020 from a 2010 baseline level.

INDICATORS

Scheme water kilolitres used per year

Scheme water kilolitres used per capita per year

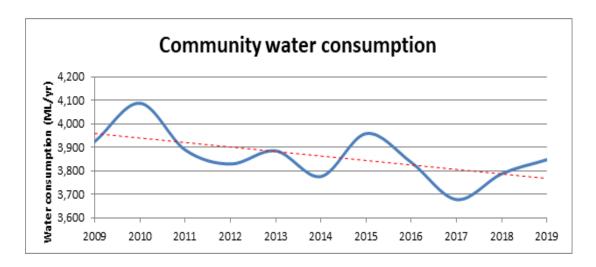
BASELINE DATA (2010)	2020 GOAL
4,100,000 kL	138.6kL per person per year
154kL per person per year	381 L per person per day
423 L per person per day	
Population 26,582 ²⁶	

CITY OF FREMANTLE COMMUNITY DATA

DATA	2015/16	2016/17	2017/18	2018/19
kL/year	3,899,885	3,718,948	3,888,065	3,889,190
kL/person/year	127.5	117.8	119.7	116.6
L/person/day	349	323	328	319
Population	30,572	31,568	32,482	33,327 ²⁷

²⁶http://www.censusdata.abs.gov.au/census_services/getproduct/census/2011/quickstat/LGA53430?opendocument&nav pos=220

²⁷ https://forecast.id.com.au/fremantle/population-households-dwellings



PROJECTS AND ACTIONS		
ACTION DESCRIPTION		
Waterwise gardening advice	Any planting day, urban forest engagement and event showcasing the City's work is used as an opportunity to educate the community about the most suitable plants for a Waterwise garden and how to prepare and maintain your verge garden, including support available for residents from the City.	

LOCAL AND SUSTAINABLE FOOD - COMMUNITY

Choosing low impact, local, seasonal and organic diets and reducing food waste

CITY OF FREMANTLE TARGET

The City of Fremantle will support community actions to increase local and sustainable food purchase and production, community and edible verge gardening and healthy food choices by providing access to a variety of community gardens, local food markets and local producers - and by promoting and supporting these initiatives.

INDICATOR

Number of households within walkable catchment of a community garden Number of community actions supported to increase local and sustainable food purchases

DATA	2017	2018	2019
Number of Community Gardens in Fremantle	3: FERN, Hilton Harvest and White Gum Valley Community Orchard	3: FERN, Hilton Harvest and White Gum Valley Community Orchard	3: Hilton Harvest, White Gum Valley Community Orchard and North Fremantle Social Farm ²⁸
Number of households within a 400m walkable catchment area to community gardens	3561	3561	N/A
Number of healthy eating events (including classes, courses, demonstrations and talks) held through Curious	5: included Little Gourmet (for kids) and Mentally Healthy Diet: Eating for a Healthy Mind	4: including Veggi Chit Chat and 12 Month Food Lovers Club	N/A

PROJECTS AND ACTIONS				
ACTION	DESCRIPTION			
Gala Dinner at Hilton Harvest	Hilton Harvest celebrated 10 years with a gala dinner, and guests from TV show Gardening Australia, live music and a feast provided by local caterers, Kazoomies.			
Food Sensations for Adults	In January the City hosted a four week program run by Foodbank WA, covering a variety of nutrition topics including:			

²⁸ FERN site demolished as part of road widening project on High Street. Community engagement in 2020 will decide the use of a new building to be shared between the Public Golf Course and Booyeembara Park, which may include a community garden.

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Healthy Eating

Label Reading and Food Selection

Meal Planning and Budgeting

Food Safety, Preparation and Cooking

Each session will ran for approximately 2.5 hours and included education, activities, cooking and eating delicious food with other participants.

The Food Sensations program aims to improve knowledge, attitudes and skills around the nutritious foods with this free hands-on nutrition and cooking experience.

TRAVEL AND TRANSPORT - COMMUNITY

Encouraging low carbon modes of transport to reduce emissions, and reducing the need to travel

CITY OF FREMANTLE TARGET

The City of Fremantle will encourage and enable the community to reduce emissions from transport by at least 30% by 2020 in line with the sustainable carbon footprint target.

2020 GOAL

- 38% of people drive
- 44% of people use sustainable transport

INDICATORS

2011 and 2016 Australian Census Data

CAT Bus Patronage (total numbers for the red and blue CAT bus route)

The Annual Bicycle Network Commuter and Recreational Rider Survey

AUSTRALIAN CENSUS DATA: Travel to Work ²⁹				
	2011	2016		
People travelling via car, as a driver	53.7%	56.5%		
People travelling via car, as a passenger	3.9%	5.7%		
People taking public transport	12.6%	12.6%		
• Train	4.1%	4.1%		
• Bus	3.6%	3.5%		
People walking	5.8%	4.5%		
People working from home	5%	5.8%		

CAT BUS PATRONAGE

In conjunction with TransPerth, the City provides a free Central Area Transport (CAT) bus service throughout Fremantle. Two routes (red and blue) are available and the buses run every 10-15 minutes every day. The service is free and is heavily subsidised by the City (roughly \$700,000 per year). The passenger numbers below are totals for the red and blue buses.

2015	2016	2017	2018	2019
1,013,440	904,239	892,514	971,619	N/A

THE ANNUAL BICYCLE NETWORK COMMUTER AND RECREATIONAL RIDER SURVEY

The Annual Bicycle Network Commuter and Recreational Rider Survey's include Super Tuesday and Super Sunday. The same points are counted each year, although in 2018, two additional points were counted for Super Tuesday (23 sites compared to 21). The Super Tuesday count includes bike riders only, while the Super Sunday count includes bike riders, walkers, runners and others. The Super Sunday count was not undertaken in 2017.

	2016	2017	2018	2019
Super Tuesday	1548	1375	1481	N/A
Super Sunday	6513	-	5712	7,858 ³⁰

²⁹ Data from <u>www.censusdata.abs.gov.au</u>. Next national census 2021.

³⁰ 2019 was done in-house with cameras

PROJECTS AND ACTION	vs
ACTION	DESCRIPTION
City of Fremantle Bike Plan 2019-2024 endorsed	Starting in late 2018, the City refreshed its Local Bicycle and adopted the new Bike Plan 2019-2024 in August this year. The project started with staff and community surveys and interactive mapping and bike user group/councillor workshops. People were also asked why they rode a bike, what they liked about it, why people were not riding and what would get them into riding — as well as mapping where the good and bad riding spots were across the city and recording improvement ideas. City centre bike cordon counts were also undertaken to determine if there had been any rider improvement since the last count in 2012 and if bike infrastructure improvements were working. We found there was a 13% increase in people riding into and out of the city centre (around 700 more bike riders). Comparison of the 2011 and 2016 census 'travel to work' data also indicated the community of the City of Fremantle increased from 2.9% to 3.1%. All of this data and input provided valuable insight that informed the new Bike Plan which has established the long term bike network and sets priorities for bike infrastructure projects, programs and promotional activities for the next 5 years. Planning and design for upgrades to 3 key intersections and routes are already well underway.
Cycling related projects 2019	 Installed Bicycle Awareness Zone (BAZ) symbols on William Street in the city centre. Installed on road bike lane extensions and green paint awareness zones on Parry Street. In the city centre Designed for improvements at the Queen Victoria Street, Parry Street, Adelaide Street intersection for increased cyclist and pedestrian safety and comfort (construction scheduled 2020/2021) South Terrace on road bike lane extension (near Parry Street towards hospital). Queen Victoria Street on road bike lane extension (near James Street). Ord Street – increasing north bound bike lane width and connectivity through High Street intersection. Installation of Marine Terrace northbound lane (wider on road lane with green paint in bike lane at conflict points)
Fremantle Traffic Bridge replacement	The City is directly engaging with Main Roads WA and the Department of Transport on planning currently occurring for the extension of the Perth-Fremantle PSP and Fremantle Traffic Bridge replacement with a view to ensuring a coordinated outcome. Our plan is for a new bridge to be built between the existing traffic bridge and the rail bridge, and to convert the old bridge into a pedestrian and cycleway.
Integrated Transport Strategy	 Actions from the Integrated Transport Strategy include: Upcoming investigation into opportunities to reduce vehicle speeds and promoting active and public transport plans in the City Centre and other key City areas. Work with Department of Transport (DoT) and Main Roads to reduce speed limit to 30khr in critical areas. Perth Cycle Network: DoT have started construction on the missing link from Perth to Fremantle (along Fremantle train line) from Grant Street to Victoria Street station. Planning has begun on the bike path from Victoria Street station to North Fremantle Station with extension across. Tydeman Road and the Swan River scheduled for 20/21. The City is advocating for the final link to Fremantle Station.

PROJECTS AND ACTION	us
	 Public Transport: As part of the South West Group, the City is advocating for the early planning and construction of a rail link (LRT) between Fremantle to Cockburn Central and Murdoch Activity Centre. Master planning to improve bike and pedestrian connectivity and reduce vehicle speeds along Hampton Road. Produced a Parking Plan to guide and inform better management, maximum parking rates and parking demand.
Ride to Work Day 2019	Ride2Work day held in October, open to the community with a healthy breakfast at Pioneer Park near the Fremantle Train Station with around 80 people attending with support from local bike shops, food and cycling groups.
FreeWheeling Fremantle	The City encourages residents and visitors to cycle around the City by offering free bicycles for hire. In 2019 the bikes were hired 167 times; in 2018 228 times, and 263 times in 2017. Hire service in both years was disrupted with the move of the Visitor Centre, which may account for the lower numbers. During the shutdown period, customers were referred to other free bike initiatives such as Little Creatures.
Bike Week 2019	 This year's Bike Week events included: Light Me Up Ride, South Beach A leisurely night-time ride where riders are encouraged to decorate their bikes and themselves with anything that shines, glows and sparkles for a chance to win prizes. Rusty Riders, Booyembarra Park

MATERIALS AND PRODUCTS - COMMUNITY

Using materials from sustainable sources and promoting products which help people reduce consumption.

CITY OF FREMANTLE TARGET

The City of Fremantle will encourage and enable the community to achieve high levels of sustainable material use through a range of activities including the opening of a community reuse store at the Fremantle Recycling Centre. The City will continue to promote sustainable building design and offer incentives to development that achieves or extends best practice.

INDICATORS

Community indicators and baseline data have been sourced from a number of initiatives reflecting community attitudes towards using products that help to reduce consumption.

DATA (see projects for further explanation)

Boomerang Bags: In 2017, 1,166 bags were made increasing to a minimum of 2,045 by end 2018.

Responsible Cafes: In 2015 there were ten Responsible Cafes, increasing to 43 in 2017 and 2018. For 2019 only 24 were counted on the Responsible Cafes website: many still listed have closed down.

Sustainable House Day Masterclass 27 people attended the event, gaining skills in sustainable house design and management.

PROJECTS AND ACTIONS	
PROJECT	DESCRIPTION
Sustainable Events Policy	2019 was the first full year of implementation for the City's Sustainable
	Events Policy, which was adopted in November 2018 for an initial two
	year trial. The response has largely been positive. Big events that
	successfully implemented the City's requirements included Laneway
	Festival and Sets on the Beach, which featured a comprehensive Keen to
	Go Green campaign with a range of biodegradable food containers and
	fabric wristbands. Awareness is growing internally and externally of how
	to hold events while meeting the requirements of the policy, including
	alternatives to cling film, BYO containers instead of disposable plastic,
	and the provision of water at events for people to bring their own
	bottles to fill. Cost effective alternatives to plastic-wrapped products are
	often difficult to find, however organisational knowledge of this is
	growing, which will also assist with advising external event providers
	how to abide by the policy. A key feature of future event waste
	management will be the inclusion of FOGO bins, and the City's waste
	education team have been regularly communicating how these bins
	should be used as part of the municipality-wide roll out of the system.
	In August, Fremantle Council updated its successful Sustainable Building
Sustainable Building Policy	Policy to ensure Fremantle continues to be a leader in sustainable
Update	development. The Sustainable Building Policy was adopted in 2011 and
	requires new residential and commercial buildings with a floor area of
	greater than 1000m2 to achieve a minimum 4-star 'Green Star' rating.
	The refinements made to the City's Sustainable Building Policy include
	allowing the use of other equivalent assessment tools, such as One
	Planet certification, and streamlining implementation measures to

clarify how compliance will be achieved before and after construction.

The Freo Alternative



The Freo Alternative is a ground-breaking new approach to planning in Western Australia for infill housing in suburban areas. It provides an alternative option to landowners in certain areas of the City of Fremantle, without impacting or changing the current zoning or density.

In 2019, the Freo Alternative was awarded 'Best Planning Idea - Small Project' at the Planning Institute of Australia (WA) Awards for Planning Excellence.

The Freo Alternative planning provisions apply in specific sections of White Gum Valley, Hilton, O'Connor, Beaconsfield and Fremantle. In general, the provisions include:

- Only applies to lots larger than 600 square metres.
- New dwelling(s) to have a maximum floor area of 120 square metres.
- Maximum of three dwellings on lots of 750 square metres or less.
- Minimum of 30 square metres of outdoor living area per dwelling.
- Developments to have higher than standard energy efficiency ratings.
- 70 per cent of the entire development site to be open space, with some variation allowed to 60 per cent open space.
- At least one mature tree to be retained or planted.
- A maximum of one parking bay per dwelling.
- All developments to be referred to the City's Design Advisory Committee to consider design quality.

A 5 year sunset clause applies to Freo Alternative provisions in the planning scheme, meaning they will no longer form part of the City's planning scheme after 12 February 2024.

WA's first timber-framed office building approved

A proposal to build WA's first timber-framed office building in Fremantle was given the green light by Fremantle Council in September. The Planning Committee approved the six-storey sustainable office development on the corner of High Street and Josephson Street in Fremantle's East End. As well as the building's timber construction, other sustainability features include an operable glass facade to circulate fresh air and deliver maximum sunlight to all levels of the building, a solar photovoltaic and battery storage system and a commercial greywater system.



Boomerang Ba	ags and Bu	unting	Boomerang Bags is a grassroots, community driven movement tackling plastic pollution at its source. Volunteers make shopping bags out of recycled materials (unused material, curtains etc) that are distributed to the community free of charge. The Fremantle community started up their own Boomerang Bags group in June 2017 and by 2018, 1166 bags had been made. The number currently sits at a minimum of 2045. With the introduction of the WA Plastic Bag Ban in mid-2018, there was a notable shift in consumer behaviour as customers started bringing their own shopping bags. The Fremantle Boomerang Bag group therefore extended their products to include produce bags for fruit and vegetables, and bunting to replace balloons at parties. This is one of many projects run at the Wanjoo Lounge, which contributes positively to social inclusion, particularly for those over 55 years old.
Sustainable Masterclass	House	Day	The City held a Sustainable House Day Masterclass over one day in August, to an audience of 27 people. Architects and designers shared their knowledge with participants to raise awareness of and skills in sustainable house design and management.

ADDITIONAL F	ADDITIONAL PROJECTS AND ACTIONS				
ACTION	DESCRIPTION				
	The City supports the group by holding sewing sessions at the Meeting Place and Wanjoo Lounge on a fortnightly basis, and showcasing Boomerang Bags at relevant City events. Boomerang Bags for staff use are located at all exit/entry points to our Main Administration building.				
Responsible Cafes	Responsible Cafes is an Australia-wide initiative where cafes provide a discount to customers that BYO coffee cup. Responsible Cafes was first launched in the City in 2015, with ten cafes signing up. In 2017, City officers engaged cafes and encouraged them to commit to the program. An additional 33 cafes signed up, resulting in a total of 43 Responsible Cafes in Fremantle. In 2019, the number was 24 cafes listed on the website that were still operational. To find your closest Responsible Café, check out the map at www.responsiblecafes.org				

ZERO WASTE - COMMUNITY

Reducing waste, reusing where possible, and ultimately sending zero waste to landfill

A proportion of the City's corporate and community waste is processed at the SMRC's Regional Resource Recovery Centre. Baseline data was sourced from annual waste and landfill and recycling statistics collected by the SMRC in 2015/16 and reported in our 2016 & 2017 annual reports. This annual report also includes data from the City's Waste Census prepared for the Department of Waste and Environmental Regulation. This provides a wider picture of waste and recycling in the City, as it includes data additional to that collected by the SMRC.

CITY OF FREMANTLE TARGET

The City of Fremantle will support the community to reduce waste generation by 10% against 2015 levels by 2020, and will embark on a city-wide education campaign and waste reduction strategy by 2017 with of goal of a 70% recycling rate by 2020.

INDICATORS

Annual SMRC waste to landfill and recycling statistics City of Fremantle DWER Waste Census

SMRC DATA						
	FYE 2016	FYE 2017	FYE 2018	FYE 2019		
SMRC waste generated (t)	12,091	11,893	11,799	12,599		
Waste per capita ³¹ (kg/person/year)	395	377	363	380		
SMRC diversion of waste from landfill (t)	7,627	7,428	7,470	8,341		
SMRC diversion of waste from landfill (%)	63.1	62.5	63.3	66.2		

2020 GOAL

SMRC waste generated: 10,881 tonnes SMRC diversion of waste from landfill: 70%

COF WASTE AND RECYCLING DATA³²

	FYE 2016	FYE 2017	FYE 2018	FYE 2019
Verge-side Green Waste Recycled (t)	761	808	654	534
Verge-side Hard Waste Recycled (t)	222	75	157	297
Drop off Green Waste Recycled (t)	0	0	146	417
Drop off Hard Waste Recycled (t)	51	84	124	367
Total Waste Collected (t)	19,539	18,066	16,958	18,542
Total Waste Recovered (t)	7,900	7,807	7,801	8,376
Recovery Rate (%)	40	43	46	45

RECYCLING CENTRE INFORMATION

³² Data from the City of Fremantle DWER Waste Census

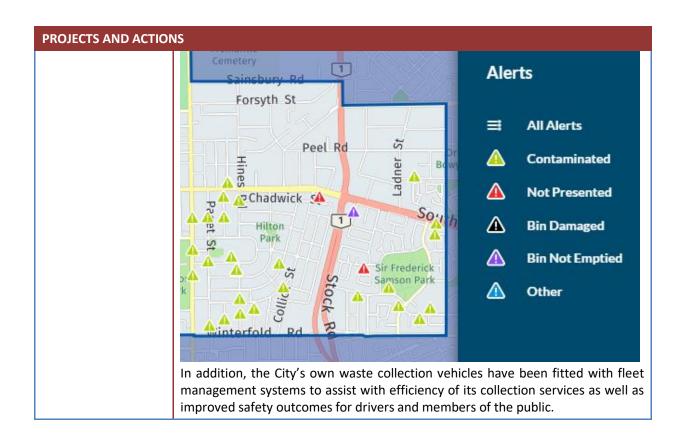
³¹ Based on population estimates in Table 1

In November 2017, the City rolled out improved and expanded recycling services with the Recycling Centre doubling in size. In November 2017, 927 vehicles went through the centre and 1653 items recycled, compared to 1553 vehicles and 2019 items recycled in 2018. It is free for residents to drop off items for recycling (excluding tyres and mattresses which have a minimal charge). In total, 14,047 people visited the Recycling Centre during opening hours in 2018.

	FYE 2017	FYE 2018	FYE 2019
Close the Loop (kg recycled)	70.9	43.9	N/A
Mobile Muster (kg recycled)	46.7	23.2	N/A

W&R SERVICES FOR DOMESTIC PREMISES 2018/19		
INDICATOR	AMOUNT	UNIT
Number of households in local government	13995	households
% households provided with waste & recycling services at premise	100%	%
Waste per person	9	kg per week
Waste per household	21	kg per week
Recovery rate	56%	%
Annual cost of providing waste & recycling collection services to households	\$380	per household

PROJECTS AND ACTIONS		
ACTION	DESCRIPTION	
Community Garage Sale	For the second time, the City held a community sale at the City's Recycling Centre to align with the Garage Sale Trail in October 2019. The Garage Sale Trail is an Australia-wide initiative that encourages re-use and recycling practices and community interactions. There were 17 community stalls selling their pre-loved items, Buster It's All About Fun children's play bus, the Waste team providing information about the FOGO rollout, plus a food and a coffee van. Around 350 people attended the event. Participant feedback was positive and indicated that the community would like more swap-meet style opportunities.	
Garage Sale Trail	The City of Fremantle again participated in the Garage Sale Trail weekend. Garage Sale Trail are a national organisation that support communities to hold garage sales on the same weekend, with financial contributions from local and state governments. This year, Garage Sale Trail reported 188 registered garage sales for the City of Fremantle.	
Electric Waste Collection Vehicle Trial	In 2019, Cleanaway began undertaking the 3 bin collection service for the City. As part of this service, the City and Cleanaway have collaborated to trial the use of an electric waste collection vehicle.	
Waste and Fleet Management Systems	As part of Cleanaway commencing its collection contract for the 3 bin service, the City has access to its Cleanaview system. The system allows Cleanaview drivers to report on contamination, presentation, damage and misuse of the City's waste bins.	



ZERO CARBON ENERGY - COMMUNITY

Making buildings more energy efficient and delivering all energy with renewable technologies

Community data was sourced from the Clean Energy Regulator website³³, specifically from the postcode data for small scale installations spreadsheet, using the postcodes 6159, 6160, 6162 and 6163³⁴. Every month the Clean Energy Regulator publishes small-scale renewable energy installation data files according to postcode, including installation of small scale photo voltaic systems and solar hot water heaters. Data from the Clean Energy Regulator reflects residents' attitudes towards and uptake of solar energy.

CITY OF FREMANTLE TARGET

The City of Fremantle will support the community to access a range of green power purchase options, renewable energy and energy efficiency measures and encourage uptake of renewables through education on and promotion of new technologies, with a goal of City of Fremantle becoming zero carbon by 2025.

INDICATORS

Residential solar energy uptake³⁵

Energy use across local government area

SOLAR PV INSTALLED	2016	2017	2018 ³⁶
No. of small scale solar PVs installed	283	396	307
Total small scale solar in CoF since 2001	2909	3298	3605
% of households with solar PVs	22	24	25
SOLAR HOT WATER INSTALLED	2016	2017	2018 ⁷
No. of solar water heaters installed	106	103	100
Total solar water heaters in CoF since 2001	1813	1916	2016
			14.2

DATA FROM SYNERGY 2019 – City of Fremantle		Percentage of total	
	Total number residences connected	14, 520	-
	Total number businesses connected	2,786	-
	Total number of properties connected	17,306	-
Solar installed 2019 total	Residences	2,860	19.69

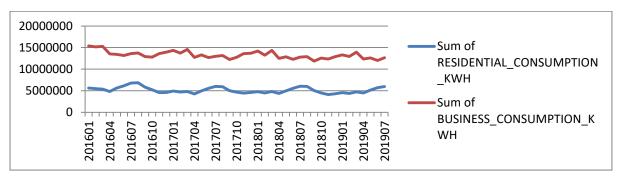
http://www.cleanenergyregulator.gov.au/RET/Forms-and-resources/Postcode-data-for-small-scale-installations

³⁴ There are 11 suburbs in the postcode 6163, three of which are in the City of Fremantle. Therefore only a proportion of the solar installations in postcode 6163 were used in these calculations.

³⁵ The RET legislation allows a 12 month creation period for registered persons to create their certificates. The data from the 2017 One Planet report has been revised to reflect this.

³⁶ Includes data from January to November 2018. December data not yet available.

	Businesses	185	6.64
	Total	3,045	17.60
Solar installed since 2016	Residences	935	-
	Businesses	120	-
	Total	1,055	-
Green Products (incl. various green power options	Residences	239	1.64
	Businesses	17	0.61
	Total	256	1.48



Energy consumption for City of Fremantle area, January 2016 to July 2019 (Source: Western Power)

PROJECTS AND ACTIONS		
ACTION	DESCRIPTION	
Helping put solar panels on community buildings	 Funds - \$12,000 from council, \$20,500 for Sport Australia (Federal), \$5,000 from one of the clubs to increase the system size Installed: Frank Gibson netball clubhouse 15 kW Gilbert Fraser Clubhouse 20 kW Ken Allen Clubhouse 13 kW Stevens Reserve 11 kW In all cases, the system has been sized to cover 30% - 40% of the annual load. 	
Support for RENeW Nexus.		

PROJECTS AND ACTIONS

investigation into the value of peer to peer trading of renewable energy.

The RENeW Nexus project is supported by the Australian Government through the Smart Cities and Suburbs Program. The project is managed by Curtin University and includes the following partners: Murdoch University, Landcorp, Synergy, Western Power, Water Corporation, Power Ledger, energyOS, CSIRO/Data 61, CISCO and City of Fremantle.

Support for the Beyond WGV Project

Through the Beyond WGV project, LandCorp has been investigating site specific scenarios for sustainable infill at the Knutsford Precinct (in particular the former Museum site). The emphasis has been on enabling distributed district scale infrastructure to deliver low carbon and resilient development, including community battery storage. There has also been a focus on establishing community buy-in and setting up engagement structures through which the community can drive the processes that can lead to decarbonizing urban developments. The City is continuing to explore ways to engage the community. The battery trial is in place and construction on the Museum site is underway.

South Fremantle Solar Farm

In 2015, the City entered into an exclusive working agreement with Australian-based company Epuron, to progress the development of a large-scale solar farm at a former land fill site in Fremantle. In April 2018, Epuron's development application for a 6MW solar farm was approved by the City subject to approval of site and construction management plans and environmental approvals being achieved under the Contaminated Sites Act. Development of a 6MW solar farm could power roughly 1700 houses, based on the average home using 20 kWh per day.

In September 2018, a business plan for the proposed 25 years lease at a peppercorn rent was approved by Council.

At the time of writing, Epuron had achieved environmental and Western Power approvals and was working on power purchasing agreements with potential customers. One option is that Epuron sells the electricity to a retailer such as Synergy, and the community would be able to purchase the electricity through Synergy's 'green power' option. Council has a clear preference to transition to locally sourced green power and could purchase the green power from the South Fremantle Solar Farm indirectly through the retailer.

Upon securing a power purchasing agreement, Epuron will be able to commence construction, which will take approximately 12 months. The City is hopeful this will occur in 2020. ³⁷

Declaration of Climate and Biodiversity Emergency

In May 2019 the Fremantle Youth Network presented the Fremantle Council with a letter requesting that the Council advocate on their behalf for action on climate change as they were no old enough to vote in the upcoming federal election. The Councillors unanimously voted to endorse the letter, declaring that the world is in a state of climate and biodiversity emergency, and committing the City to further reducing its ecological impact and increasing its resilience to the challenges of climate change.

Fremantle Youth Climate Forum

Preparations began in November 2019 for the Fremantle Youth Climate Forum. The Forum will feature an inclusive dance as Welcome to Country, inspiring keynote speakers, and several presentations and workshops on topics ranging from marine science to theatre, to showcase a range of issues and responses to

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³⁷ https://mysay.fremantle.wa.gov.au/south-fremantle-solar-farm

climate change. Various conservation and volunteer organisations will be given space for stalls, including School Strike 4 Climate, State Emergency Service, and the Conservation Council. While the Forum is youth focused, everyone is invited and welcome to join.

The concept for this Forum emerged as a result of the Fremantle Youth Network presenting a letter to the Councillors in May last year, asking them to declare a climate emergency and will take place in Youth Week.

One Planet Living in 2020

Important focus areas for One Planet Living in 2020 include:

- Reviewing the One Planet Fremantle Strategy and reporting process after 5 years of operation
- Developing an Environmental Responsibility Strategy, in line with the Strategic Community Plan focus area.
- Community engagement on the climate emergency, potentially including youth climate forum (subject to lifted restrictions on public gatherings).
- Development of a Waste Plan.
- The completion of the new civic centre in Kings Square, and relocation of the administration and library.
- Updating carbon neutral reporting.
- Reviewing the Water Conservation Strategy.