

8.2	SUSTAINABLE ENVIRONMENT STRATEGY - IMPLEMENTATION PLAN REVIEW AND PROGRESS UPDATE
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Attachments: 1. SES Implementation Plan 2019-2014 Schedule of Actions

RECOMMENDATION:

That Council:

1. NOTES

- 1.1 The annual review and progress update on actions in the Sustainable Environment Strategy Implementation Plan, including the Schedule of Actions at Attachment 1; and**
- 1.2 That the annual update on progress towards Sustainable Environment Strategy targets, including relevant metrics, will be presented to Council in November 2021.**

PURPOSE OF REPORT:

To update Council on the progress and status of actions in the Implementation Plan that underpins the City's Sustainable Environment Strategy (SES) 2019-2024.

BACKGROUND:

Council adopted the SES on 23 July 2019, setting targets across five Key Opportunity Areas plus an overarching target of net zero greenhouse gas emissions. Progress against these targets is reported to Council annually in November each year.

The first annual progress update (OMC 17 November 2020) showed that the City is on track to meet or exceed most of its targets.

The Implementation Plan that underpins the SES is a working document used by Administration to record and track actions that drive progress towards SES targets. It is a live document with the flexibility to add new actions as new opportunities arise and to replace those that become irrelevant or redundant due to changing technology or government policy. The Plan is under continuous review to facilitate effective and efficient progress.

On 18 August 2020 Council received the first update on the Implementation Plan. This report provides a further update current to August 2021.

DETAILS:

The SES Implementation Plan currently contains 186 actions across five Key Opportunity Areas plus the overarching target of net zero emissions. These actions are detailed in the attached Implementation Plan Schedule of Actions (**Attachment 1**) and summarised by opportunity area in the table below.

Key Opportunity Area	Actions
Net zero emissions	2
Energy	59
Transport	35
Water	42
Waste	18
Greening	30
Total No. of actions	186

In its first two years of implementation, twelve new actions have been added to the Plan, increasing the overall number of actions by 7%. New actions are highlighted in **Attachment 1** and summarised by Key Opportunity Area in the table below.

Only one action has been removed from the Plan (Energy action 6.3). It was replaced due to advances in smart lighting technology, which created an opportunity to trial an innovative new approach to the lighting of sporting fields and public spaces.

Key Opportunity Area	New actions
Net zero emissions	2
Energy	5
Transport	3
Water	1
Waste	1
Greening	0
Total new actions	12

The status of actions is updated in the Schedule of Actions using the Plan-Do-Check-Act cycle defined in the table below.

Descriptor	Meaning
Plan:	Planning phase – investigation, business case, resourcing, scheduling
Do:	Implementation phase – work in progress on project delivery
Check:	Evaluation phase – assessment of outcomes against objectives
Act:	Adjustment phase – making changes to improve outcomes

The status of actions as of August 2021 is summarised in the table below by Key Opportunity Area.

Key Opportunity Area	Current status of SES implementation actions				
	Plan	Do	Check	Act	Total no. of Actions
Net zero emissions	0	2	0	0	2
Energy	9	32	5	13	59
Transport	10	18	4	3	35
Water	14	21	4	3	42
Waste	6	7	3	2	18
Greening	3	9	11	7	30
Total No. of actions	42	89	27	28	186
Percentage of actions	23%	48%	15%	15%	100%

As shown in the attached Schedule of Actions, the Status column is colour coded to reflect tracking as follows:

Colour Code	Meaning
	Project is on track – actions expected to be completed as originally planned
	Project has been delayed – will still be completed, but not at the time originally planned
	Project is at risk of not being delivered – there have been significant delays and it is possible that this project will not be completed

The tracking of actions as of August 2021 is summarised in the table below by Key Opportunity Area.

Key Opportunity Area	Tracking of actions		
	On track	Delayed	At risk
Net zero emissions	2	0	0
Energy	50	9	0
Transport	32	3	0
Water	38	4	0
Waste	13	5	0
Greening	28	2	0
Total No. of actions	163	23	0
Percentage of actions	88%	12%	0%

The main factors contributing to delays have been:

- COVID-19 placing physical and financial constraints on the delivery of some projects;
- Staff capacity limitations resulting from competing priorities (including the COVID-19 response) and staff departures;
- Unexpected complexities discovered in the planning stages of some projects; and
- Dependency of some actions on the completion of others, which were themselves delayed.

CONSULTATION/ADVERTISING:

Nil

LEGAL/POLICY:

Nil

RISK MANAGEMENT IMPLICATIONS

Low: It is low risk for Council to consider the progress update on SES Implementation Plan actions.

STRATEGIC IMPLICATIONS:

This is in keeping with the City's *Strategic Community Plan 2018-2028*:

Enhanced Environment

We have improved resource efficiency and waste management.

We have minimised our impact on the environment.

Our urban forest/canopy is maintained and increased.

Accessible City

We have embraced emerging transport technologies.

Sensitive Design

Our planning framework supports quality design, sustainable urban built form and is responsive to our community and local context.

Innovative and Accountable

Our resources and assets are planned and managed in an efficient and sustainable manner.

SUSTAINABILITY IMPLICATIONS:

This is in keeping with the following key sustainability outcomes of the *City's Sustainable Environment Strategy 2019-2024*.

Sustainable Energy Use/Greenhouse Gas Emission Reduction

Sustainable Transport

Water Use Reduction/Water Quality Improvement

Waste Reduction

Urban Greening and Biodiversity

PUBLIC HEALTH IMPLICATIONS:

This is in keeping with the following priority health outcomes of the *City's Public Health Plan 2020-2025*:

Increased mental health and wellbeing

Increased physical activity

Reduced injuries and a safer community

Reduced exposure to environmental health risks

FINANCIAL/BUDGET IMPLICATIONS:

Funding for SES implementation actions has been included in the City's 2021/22 budget and key SES projects/programs are reflected in the City's Corporate Business Plan. Longer term funding of SES implementation is included in the City's Long-Term Financial Plan.

COMMENTS:

Implementation of SES actions is progressing well.

Two years into the five-year plan over 76% of actions have commenced or been completed.

The flexible approach creates agility and the continuous tracking of actions drives progress. Key highlights from the 2020/21 financial year include:

- Partnership with the Inner City Group of Local Governments and with WALGA's Climate Change Collaborative to establish a Carbon Accounting Working Group (objective: to develop a consistent **greenhouse gas accounting and reporting methodology** for local government);
- Progress toward a **renewable energy power purchase agreement** in partnership with WALGA and other Local Governments (memorandum of understanding to proceed with energy procurement);
- Procurement for the next phase of **solar energy installations** on City-owned buildings;
- Establishment of an **Environmentally Sustainable Design (ESD)** Forum of WA Local Governments to develop a unified approach to ESD and strengthen advocacy to State and Federal Government for improved ESD standards in Planning and Building (initiated by Vincent and Victoria Park, facilitated through WALGA; the City's officers are currently on the steering committee for this group);
- Engagement with **electric vehicle (EV) charge station** operators to facilitate the rollout of fast-chargers in Vincent and support the establishment of a metropolitan EV charging network (one operator is now progressing to site investigations);
- Review of **water sensitive design (WSD)** in the City's strategies, plans, policies and processes, with recommendations to be implemented over coming years;
- Completion of the **bike lane** along Florence, Carr, Strathcona and Golding streets;

- Significant progress toward the **electrification of the City's vehicle fleet**, including purchase of a hybrid truck;
- Rollout of **FOGO** education campaign and preparation for the **Verge Valet** trial;
- Completion of the **waste register** update and implementation of a new customer relationship management system for waste;
- Increasing the **tree canopy target for public land** (as the 2023 target has already been exceeded); and
- Winning a competitive **Urban Tree Canopy Grant** to facilitate further tree planting in Beaufort Street.

City of Vincent Sustainable Environment Strategy - Implementation Plan 2019-2024
Key Opportunity Area: Overarching Greenhouse Gas Emissions Target

OBJECTIVE/ACTION	CURRENT STATUS				2019/20 COMMENTARY	2020/21 COMMENTARY	ACTIONS PLANNED FOR FUTURE YEARS
	19/20	20/21	21/22	22/23			
Objective: Net zero greenhouse gas emissions from operational energy, transport and municipal waste by 2030 <i>Control</i>							
NEW ACTION: Investigate measurement and reporting options for major scope 3 operational greenhouse gas emissions.	do	o	o	o	Early planning phase and preliminary investigations.	Sought advice from other Local Governments that have gone down the carbon neutral path. Found that approaches are inconsistent, and tend to be costly. Joined WALGAs Climate Change Collaborative and Carbon Accounting Working Group to develop a consistent, verifiable and affordable methodology to be applied across Local Government.	2021/22: Continue working with Climate Change Collaborative, Carbon Accounting Working Group and Inner City Working Group of Councils to progress a unified carbon accounting and reporting methodology.
Strategy: Advocate to State and Federal Government to act to reduce greenhouse gas emissions across all sectors of the economy and community							
NEW ACTION: Take advantage of opportunities to advocate to State and Federal Governments – this may be in response to direct consultation or as part of proactive campaigns led by partner organisations such as the Western Australian Local Government Association or the Green Building Council of Australia	do	o	o	o	Submission made to the State Government in response to its climate change policy/strategy consultation process in November 2019.	Sent letters to state and federal MPs and to WALGA asking for support and adoption of the C40 Principles (for a sustainability-led recovery response to COVID-19) in September 2020. The City also raised the matter at its WALGA central zone meeting. The City's representatives met with and provided advice to Department of Transport representatives on the development of DoT's net zero emissions strategy. The Mayor signed a joint Statement with 40 other Australian Mayors, committing to a sustainable economic recovery (through Cities Power Partnership). Completed survey to inform WALGA's submission to the Productivity Commission on the Right to Repair (there are significant lifetime greenhouse gas implications for consumer goods). Worked with WALGA to establish a sustainable building design collaborative of local governments with a view to forming an advocacy voice around emissions reduction from built environment.	Continue to partner with organisations like WALGA, Climate Emergency Australia, the Green Building Council of Australia and others to advocate for climate action at the state and federal level.

City of Vincent Sustainable Environment Strategy - Implementation Plan 2019-2024

Key Opportunity Area: Energy

OBJECTIVE/ACTION	CURRENT STATUS	19/20	20/21	21/22	22/23	2019/20 COMMENTARY	2020/21 COMMENTARY	ACTIONS PLANNED FOR FUTURE YEARS
Strategy 1: Reduce the energy demand of City-owned buildings through physical modifications								
<i>Control</i>								
1.1 Consider installing additional external shading to the northern side of the City's Administration Centre to further reduce summer heat load	act	o				Completed	n/a	n/a
1.2 Ensure all renovation/redevelopment of City owned facilities meets the energy performance standards set out in the City's Built Form Policy	do	o	o	o	o	Ongoing	Actions are ongoing. Update from responsible officer (D20/182832): Investigating how to include the lifecycle assessment specifications of the Built Form Policy in City Asset Strategies and Plans. Including: 2020/21: Consideration of this action to be included in the following: - Asset Management and Sustainability Strategy - 2021 review of Asset Management Plan for buildings; - Capital Works Program; the rationalisation program of works carried out by the Asset team.	Continue to investigate and embed in plans and procedures.
NEW ACTION: Install 100% block out blinds in North Perth Town Hall								
	act	o				Completed	n/a	n/a
Strategy 2: Increase the efficiency of energy use in City-owned building by upgrading energy using plant and equipment								
<i>Control</i>								
2.1 Complete LED lighting retrofit at Beatty Park Leisure Centre (fitness studios and administration offices)	plan	o	o	o		Deferred due to COVID.	Date: deferred due to COVID - Will look to add 2.1 back into 2021/22 budget as part of a budget review if everything is going well.	To be completed in 2021/22.
2.2 Investigate and implement if feasible the addition of all lighting at Beatty Park Leisure Centre to the existing BMS for improved control; alternatively consider upgrading the BMS at Beatty Park to capture all functions on site	do	o	o	o		Deferred due to COVID.	To be captured as part of the indoor pool upgrade project on budget for 2021/22.	To be completed in 2021/22.
2.3 Upgrade HVAC system and controls at the City's Administration Centre	do	o	o	o		Planning undertaken in 2019/20.	procurement completed 2020/21.	2021/22: BMS throughout building, ground floor HVAC to be completed.
2.4 Complete LED lighting retrofit at the City's Administration Centre, Works Depot Canteen Building, Library & Local History Centre and Loftus Community Centre	do	o	o	o	o	Admin Building completed in 2019/20 apart from Council Chamber; Loftus Community Centre ready to commence, other sites in planning stage.	Loftus Community Centre this year, opportunity at quarterly budget review for funding for this.	Library and Local History Centre (funding to be sought at mid year Budget Review), Council Chamber and Depot planned for 2021/22.
2.5 Install a BMS at the City's Administration Centre	plan	o	o			Planning undertaken in 2019/20. BMS installation on Budget for 2020/21.	Work expected November 2021	Upstairs HVAC upgrade planned for 22/23
2.6 Display switch-off signage around manually-operated energy using equipment	do	o	o	o		Most sites To be completed in 2020/21. Pending works at some sites, these may be completed later.	Sustainability Officers completed design. Assets team to print signage and install	Install signage in 2021/22
2.7 Investigate the benefits of changing irrigation pumps to variable speed drives and prepare a replacement plan if feasible	act	o	o	o	o	Investigation completed. VSD found to be appropriate.	Actions in progress - Replace pump motors with variable speed drives at end of life.	Continue replacement program until complete.
2.8 Install variable speed drives to motors throughout City-owned facilities where efficiency gains can be demonstrated	do	o	o	o	o	Opportunities for upgrade pursued as they arise.	All relevant plant to be upgraded as part of indoor pool works this year.	Admin Building elevator mechanical upgrade planned for 2021/22; Beatty Park indoor pool works in 2020/21 with all plant to be upgraded.
2.9 Ensure all energy using plant and equipment requiring upgrade is replaced with the highest efficiency alternative	check	o	o	o	o	Ongoing - efficiency is embedded in procurement process as part of the value for money consideration	Tender Template updated to require more information from suppliers to facilitate better choices.	2021/22: Apply new tender template and continue to improve procurement process.
2.10 Consider upgrading the HVAC system at Loftus Recreation Centre and Gymnastics WA facilities	plan				o	To be informed by future lease negotiations.	Further investigation needed on the cost benefit analysis.	Business case to be developed in 2022/23 (may be brought forward if need or relevant funding opportunity arises)
2.11 Consider upgrading BMS at Beatty Park to capture all functions at that site	plan	o	o			Planning undertaken in 2019/20	Work currently planned will be on this new system with additional equipment to be integrated at time of renewal/upgrade	To be delivered as part of the \$2.9M capital works at Beatty Park - will also include refrigerated air con plant (APACs).
2.12 Consider upgrading to a single, multi-user BMS to cover Beatty Park Leisure Centre, Library & Local History Centre and Administration Centre	plan			o	o	Early information gathering in progress. To be informed by BMS outcomes at Admin Centre and Beatty Park Leisure Centre in 2020/21.	Need Consultant to investigate cost benefit analysis of this action. May not have the hardware in each building to support this. Alerton brand products are being used as preferred for BMS systems where feasible/appropriate to ensure some consistency across the board.	Business case to be developed in 2022/23 (may be brought forward if need or relevant funding opportunity arises)
2.13 Consider including leased facilities in Loftus Centre in the above multi-user BMS to give leaseholders greater control over energy use	plan			o	o	To be informed by outcome of action 2.12 and future lease negotiations.		As above.
Strategy 3: Increase solar energy generation on City-owned buildings								
<i>Control</i>								
3.1 Complete the project to install solar photovoltaic (PV) systems at four of the City's major facilities – Administration Centre and Beatty Park Leisure Centre to be completed in 2019/20	act	o				Completed - Last of the 4 sites completed March 2020.	n/a	n/a
3.2 Investigate the feasibility of additional solar PV systems at the City's remaining facilities and sites – include consideration of battery storage, emerging innovations such as solar shade structures and opportunities for energy sharing	act	o				Completed - Sites shortlisted and scheduled for implementation from 2020/21 to 2021/23.	n/a	n/a
3.3 Install solar PV at additional facilities that are found to be feasible	do	o	o	o	o	Procurement commenced	Procurement completed 2020/21 and negotiation with leaseholders commenced	2021/22 to 2022/23: Installations to be completed.
3.4 Monitor developments in energy sharing technology and consider adopting it for sites with existing solar PV when regulatory changes make it possible	do	o	o	o	o	Enquiries made with Synergy and other electricity retailers as well as with Power Ledger (provider of energy sharing software). LG forums attended and feedback provided to Synergy & Western Power about the needs of LGs in relation to power sharing.	Enquiries and advocacy ongoing	Continue to engage with relevant agencies and monitor progress in this area.
Strategy 4: Increase the use of renewable energy for water heating in City-owned buildings								
<i>Control</i>								
4.1 Complete a feasibility study for solar hot water system retrofits for the remaining City-owned facilities that were not included in the previous round of solar hot water system installations	plan			o	o	n/a	n/a	The scope may be limited - Woodville and Menzies Park pavilions are the only two remaining sites expected to be suitable for solar hot water. Shading may be an issue at Woodville Pavilion.
NEW ACTION: Investigate heat pump hot water systems for sites where solar hot water is not feasible due roof shading, roof structure or run distance to water outlets.								
	plan			o	o	n/a	n/a	Work to commence 2021/22
Strategy 5: Increase the use of ground source geothermal energy at Beatty Park Leisure Centre								
<i>Control</i>								
5.1 Upgrade and integrate the space heating system with the geothermal heating system (space heating to shift from using gas to geothermal energy)	act	o				Completed and operating as expected.	Operating as expected.	n/a

OBJECTIVE/ACTION	CURRENT STATUS	19/20	20/21	21/22	22/23	2019/20 COMMENTARY	2020/21 COMMENTARY	ACTIONS PLANNED FOR FUTURE YEARS
Strategy 6: Reduce grid-supplied energy use for public open space and carpark lighting through energy efficiency and solar power								
<i>Control</i>								
6.1 Retrofit all remaining carpark and public open space lighting infrastructure with LED lights	do	o	o	o	o	Projects completed to date as part of the Program are LED lighting to: - Royal Park Hall, Venables Park, Beatty Park Reserve, Brigatti Gardens, Stuart St Reserve, Britannia Rd Reserve Pavilion, Leederville Oval Car Park, Administration Building, Frame court and The Avenue Car Park, Hyde Park, Lynton Street Reserve, Smiths Lake, Charles Veryard, Tony Discerni pathway, Depot external and car park, Loftus Street pathway and Robertson Park.	Assets is conducting a lighting and electricity infrastructure assessment that includes car parks, sports lighting and POS.	Work is ongoing. Expected to be completed in 2022/23 when a further \$50,000 will be required.
6.2 Where possible, make new public open space lighting solar powered	do	o	o	o	o	Ongoing. This is being implemented for new lighting in public spaces where shading permits it.	Ongoing, where there is no shading	Continue to implement and integrate into new POS design projects.
6.3 Investigate and implement where feasible the installation of motion-sensor linked controls on public open space and car park lighting.								
6.3 AMENDED ACTION: Investigate and trial the use of smart lighting systems (sensor and user controlled) in public spaces and leased/hired facilities - particularly car parks and sporting fields.								
6.3 AMENDED ACTION: Investigate and trial the use of smart lighting systems (sensor and user controlled) in public spaces and leased/hired facilities - particularly car parks and sporting fields.	do	o	o	o	o	Trialling smart lighting at Forrest Park Reserve for sporting field lighting (soccer/cricket). Upgrading to LEDs and providing hirers with time-restricted user codes.	Trial ongoing.	If trial successful, seek to expand to other sites.
Strategy 7: Increase the energy efficiency of street lighting								
<i>Control</i>								
7.1 Upgrade City owned and maintained street lighting to LED (around 5% of streetlights)	do	o	o	o	o	All locations planned for 2019/20 completed (including Newcastle Street in Perth).	Ongoing - Stirling and Parry Streets done in 2020/21	Other sites being considered for 2022/23 to be funded from existing operational budget.
7.2 Prioritise and where feasible upgrade selected Western Power owned and maintained street lighting to LED	do	o	o	o	o	Leederville Town Square completed 2019/20.	Ongoing.	Leederville Town Centre (Oxford Street) and Mount Hawthorn Town Centre including (Oxford Street North) planned for 2021/22. Sites for 2022/23 to be determined.
Strategy 8: Embed energy efficient behaviours within the City's operations								
<i>Control</i>								
8.1 Expand real-time energy monitoring to the City's Works Depot.	do	o	o	o	o	Quote obtained. Installation planned for 2019/20 delayed due to COVID impact on Budget.	Installation hampered by site complexities and lack of documentation of past switchboard upgrades. Installation delayed to 2021/22.	2021/22: Electricians to re-map switchboards and circuits to inform installation of monitoring system.
8.2 Track month-to-month energy bills and follow up anomalies with responsible officers	do	o	o	o	o	Awaiting allocation of staff resources requested in Sustainability & Innovation service review	Staff allocated late 2020/21 - work has commenced on mapping and auditing energy accounts.	2021/22: Engage with site staff to better understand and manage energy use. 2022/23: Embed energy management processes in daily tasks of site staff.
8.3 Make energy efficient operation of facilities a priority for staff with sign-off authority for energy bills at City managed facilities	plan	o	o	o	o	Allocation of staff resources requested in Sustainability & Innovation service review	Contingent on actions above.	Contingent on successful completion of actions above.
NEW ACTION: Expand real-time energy monitoring at Beatty Park and install ambient temperature monitoring to inform data interpretation/analysis at all monitored sites.								
NEW ACTION: Expand real-time energy monitoring at Beatty Park and install ambient temperature monitoring to inform data interpretation/analysis at all monitored sites.	do	o	o	o	o	Quote obtained but work delayed due to COVID impact on Budget and site access for relevant staff.	Updated monitoring quote obtained for Beatty Park. Temperature sensor purchased.	Temperature sensor to be installed at Admin Building in 2021/22. Beatty Park energy monitoring upgrade be completed in 2021/22.
Strategy 9: Promote and facilitate energy efficiency in the community								
<i>Influence</i>								
9.1a Maintain provisions within the City's planning policies that continue to drive improvements in the energy performance of new developments	act	o	o	o	o	Build Form Policy amended to expand energy and water performance requirements to single and grouped dwellings (in addition to commercial, mixed use and town centre locations)	Working with Life Cycle Assessment provider to develop and trial a simple, affordable app-based assessment reduce barriers to compliance for single and grouped dwellings.	Work to continue in 2021/22 to advocate for WAPC support of the City's environmentally sustainable design requirements
9.2a Provide ongoing training to the City's Planning Officers relating to environmentally sustainable design	do	o	o	o	o	Sustainability officers work one-on-one with Planning Officers to assist with assessment of Development Applications and provide group updates/information sessions as appropriate	Sustainability officers provided briefings to Planning Officers to assist with implementation of new requirements for single and grouped dwellings.	2021/2022: Community/industry education campaign to promote the benefits of environmentally sustainable design - to be rolled out in collaboration with the Planning team.
9.3a Review and amend the Sustainability Implications section of Council report templates to ensure that relevant information is captured and linked in a meaningful way to the outcomes of the City's Sustainable Environment Strategy	act	o				Completed	Further changes made in response to feedback from Council	Continue to amend as required by Council to keep this section of Reports meaningful and informative.
<i>Influence</i>								
9.1b Update the City's community education resources relating to energy efficiency	do	o	o	o	o	Energy efficiency improvements in the home - material provided by the Switch Your Thinking program shared with the community and solar pages on website updated with relevant information.	Designing and energy efficient home - material provided by the Switch Your Thinking program shared with the community and solar pages on website updated with relevant information.	Continue to monitor and update community education resources with up to date information.
9.2b Continue to deliver events to communicate the importance of energy efficiency and to share resources on how to implement this in the home	act	o	o	o	o	Events delivered as planned in 2019. 2020 events disrupted by COVID-19 pandemic control measures.	Community events schedule back on track with delivery of Sustainability Pop-up Hub event.	2021/22: Series of events to include solar PV and battery storage; solar for strata and tenants; sustainable home design 101 and Sustainable House Day
9.3b Continue to seek opportunities to collaborate and partner with industry to deliver events and educational materials to the community	do	o	o	o	o	2020 events schedule disrupted by COVID-19 pandemic control measures	Partnering solar providers, designers and related industry professionals to deliver information sessions in 2021/22, as well as groups Renew and the Switch Your Thinking program.	Continue to work with representative bodies and industry professionals to deliver up-to-date and relevant information to the community.
9.4b Measure and report on the effectiveness/impact of events and educational materials to guide future decisions about investment in different forms of community education/engagement	do	o	o	o	o	Events delivered as planned in 2019. 2020 events disrupted by COVID-19 pandemic control measures.	Assessment of community engagement with the Pop-up Hub model has led to re-thinking how we deliver community information events.	2021/22: Trial delivering the components of the Sustainability Pop-up Hub as a series of individual events targeting specific groups within the community.
9.5b Provide developers with information about energy efficient building design and technologies as part of the development approval process	check	o	o	o	o	Worked with planners on information packs for developers/applicants.	Information sheets and templates completed and rolled out.	Monitor and respond to feedback from developers/applicants to amend and update information packs and templates to improve effectiveness and compliance.
9.6b Report annually on the City's energy use, the installation of energy efficient technologies and the associated greenhouse gas and cost savings to motivate energy efficiency actions by the community	do	o	o	o	o	Comprehensive report for 2019/20 including all relevant metrics provided to Council in November 2020.	Comprehensive report for 2020/21 including all relevant metrics to be provided to Council in November 2021.	Continue to track and report on progress towards targets on an annual basis.
9.7b Pending a successful outcome from the Climate Clever Schools trial, offer funding for additional schools to participate in the program	act	o				COVID-19 control measures disrupted schools program, so funding was diverted to community/business program run by Climate Clever	Climate Clever Schools funding was again offered in 2020/21 and the City continued its membership of the Climate Clever program as this provides discounted access for Vincent residents to the Climate Clever Home app.	Continue to offer Climate Clever Schools funding and actively promote to local schools until all have participated in the program. Continue to promote Climate Clever Homes and facilitate promotion of Climate Clever Business via the Place Managers to Town Teams and local businesses.

OBJECTIVE/ACTION	CURRENT STATUS	CURRENT STATUS					2019/20 COMMENTARY	2020/21 COMMENTARY	ACTIONS PLANNED FOR FUTURE YEARS
		19/20	20/21	21/22	22/23	2019/20 COMMENTARY			
Strategy 10: Promote and facilitate the adoption of solar energy in the community									
<i>Control</i>									
10.1a Maintain provisions within the City's planning policies that continue to drive improvements in the energy performance of new developments	act	o	o	o	o	Built Form Policy amended to expand energy and water performance requirements to single and grouped dwellings (in addition to commercial, mixed use and town centre locations)	Working with Life Cycle Assessment provider to develop and trial a simple, affordable app-based assessment reduce barriers to compliance for single and grouped dwellings.	Work to continue in 2021/22 to advocate for WAPC support of the City's environmentally sustainable design requirements	
10.2a Provide ongoing training to the City's Planning Officers relating to environmentally sustainable design	do	o	o	o	o	Sustainability officers work one-on-one with Planning Officers to assist with assessment of Development Applications and provide group updates/information sessions as appropriate	Sustainability officers provided briefings to Planning Officers to assist with implementation of new requirements for single and grouped dwellings.	2021/2022: Community/industry education campaign to promote the benefits of environmentally sustainable design - to be rolled out in collaboration with the Planning team.	
10.3a Review and amend the Sustainability Implications section of Council report templates to ensure that relevant information is captured and linked in a meaningful way to the outcomes of the City's Sustainable Environment Strategy	act	o				Completed	Further changes made in response to feedback from Council	Continue to amend as required by Council to keep this section of Reports meaningful and informative.	
<i>Influence</i>									
10.1b Continue solar community education and promotion activities as per 2018/19	act	o	o	o	o	Ongoing - need to assess impact - workshops and events disrupted by COVID-19	Community events schedule back on track with delivery of Sustainability Pop-up Hub event.	2021/22: Series of events to include solar PV and battery storage; solar for strata and tenants; sustainable home design 101 and Sustainable House Day	
10.2b Investigate and implement additional marketing opportunities for the promotion of solar resources and incentives to increase community exposure	do	o	o	o	o	Additional advertising banners printed in 2019/20 - to be used as placeholders in community eco-signs. More material to be generated in 2020/21 once budget approved.	Pull-up banners printed and displayed in public areas of City facilities.	2021/22: Delivering information specific to strata/tenants and business, including print resources with relevant guidance.	
10.3b Work with the Switch Your Thinking program to expand the range of solar incentives available to the City's community	check	o	o	o	o	At the City's request, the Switch Your Thinking program has added two more solar suppliers offering discounts to its panel	New solar supplier participated in Sustainability Pop-up Hub, offering no-up-front cost solar.	Continue to work with Switch Your Thinking to grow the range of suppliers offering discounts to the City's community.	
10.4b Report on the City's installation of solar PV and the associated greenhouse gas and cost savings to motivate the uptake of solar PV by the community	check	o	o	o	o	Completion of solar Phase 1 installations used as an opportunity to promote solar to the community - range of media/communication activities.	Significant increase in solar uptake by the community in the 2020 calendar year, including a sporting club that installed its own solar PV on a City-owned building.	Continue to market and promote the City's solar actions to the community and work with community sporting clubs and other leaseholders to install solar on more City-owned buildings.	
10.5b Investigate and implement feasible mechanisms for providing ongoing funding to sustainability focussed community groups that have a proven track record of delivering actions in line with the City's Sustainable Environment Strategy	do		o	o		n/a	Capacity constraints have led to delays.	Commence action in 2021/22	
Strategy 11: Advocate to both State and Federal government for higher building design standards for new builds and retrofits (all building types)									
<i>Advocacy</i>									
11.1 Identify best practice adopted in other States and internationally	do	o	o	o	o	Preliminary research.	Joined Green Building Council of Australia Local Government Round Table and helped to establish WALGA collaborative on environmentally sustainable design.	2021/22: Continue to work with existing partners and start engaging with Australian Institute of Architects around their Zero Carbon Development Industry roadmap.	
11.2 Take advantage of opportunities to make submissions to State and Federal reviews into building standards to advocate for adoption of best practice	do	o	o	o	o	Australian Government energy efficiency survey completed: Department of Industry, Science, Energy and Resources - to better understand the role of Local Governments in supporting sustainability objectives for buildings (ref. D20/116392).	Completed interview and provided case study for review into National Construction Codes energy efficiency standards.	Continue to work with existing partners and seek new opportunities to engage state and federal governments on this matter.	
11.3 Partner with other organisations when opportunities arise to strengthen advocacy efforts	do	o	o	o	o	The City is a member of the Green Building Council of Australia, which advocates strongly for higher building standards.	Joined Green Building Council of Australia Local Government Round Table and helped to establish WALGA collaborative on environmentally sustainable design.	2021/22: Continue to work with existing partners and start engaging with Australian Institute of Architects around their Zero Carbon Development Industry roadmap.	
11.4 Proactively engage with relevant agencies to seek support for energy performance provisions within local, State and Federal policies and standards to drive continuous improvement in new developments	do	o	o	o	o	Ongoing - the City will seek WAPC approval the amended requirements in the Built Form Policy.	Completed interview and provided case study for review into National Construction Codes energy efficiency standards.	2021/22 and beyond: Use the united voice provided by WALGA's Sustainable Design Collaborative to provide an amplified voice to higher levels of government.	
Strategy 12: Advocate to State Government to require increased energy performance standards in new developments									
<i>Advocacy</i>									
12.1 Take advantage of opportunities to advocate to State and Federal Governments – this may be in response to direct consultation or as part of proactive campaigns led by partner organisations such as the Western Australian Local Government Association or the Green Building Council of Australia	do	o	o	o	o	Australian Government energy efficiency survey completed: Department of Industry, Science, Energy and Resources - to better understand the role of Local Governments in supporting sustainability objectives for buildings (ref. D20/116392).	Completed interview and provided case study for review into National Construction Codes energy efficiency standards.	Continue to take advantage of opportunities to make submissions in response to state and federal government consultations. Work with existing partners and seek new partners to engage state and federal governments on this matter.	
Strategy 13: Advocate to State Government and relevant government agencies in relation to energy sharing and renewable energy technologies									
<i>Advocacy</i>									
13.1 Proactively engage with the Western Australian Planning Commission to encourage increased energy performance standards in State Planning Policy and seek support for additional energy performance provisions within local planning policies to drive continuous improvement in new developments	do	o	o	o	o	Feedback provided to WAPC on effectiveness of Design WA policy.	Conversation ongoing with WAPC on the City's Built Form Policy provisions.	Continue to advocate wo WAPC for support of the City's current and future energy provisions.	
13.2 Proactively engage with relevant government agencies to seek opportunities for the City and its community to be included in trials of innovative renewable energy technologies such as community solar battery storage and microgrids	do	o	o	o	o	City's officers participated in workshops and forums with Synergy and Western Power	Ongoing as before.	Continue to monitor and advocate as opportunities arise - both as an individual local government and in partnership with others.	
13.3 Advocate to State Government for the removal of regulatory barriers to peer-to-peer energy sharing and the facilitation of energy sharing technologies	check	o	o	o	o	Have received personal communication from both Synergy and Western Power advising that regulatory change is being planned for the WA energy sector	Ongoing as before.	Continue to monitor and advocate as opportunities arise - both as an individual local government and in partnership with others.	
NEW Action: Source renewable energy for City-owned facilities to supplement on-site generation and to supply sites that are not suitable for on-site generation.	do	o	o	o	o	Early investigations revealed that partnership with other LGAs would be needed to source large-scale renewable energy from external sources at an affordable price. The City's officers contacted WALGA seeking leadership and coordination.	WALGA commenced investigations into a renewable energy group-purchase for LGAs. Business case presented to the City's executive and memorandum of Understanding signed with WALGA to participate in the procurement process.	2021/22: Renewable energy power purchase agreement to commence in April 2022 for contestable sites. 2022/23 and beyond: transition non-contestable sites and gas accounts to PPA.	

City of Vincent Sustainable Environment Strategy - Implementation Plan 2019-2024
Key Opportunity Area: Transport

OBJECTIVE/ACTION	CURRENT STATUS	19/20	20/21	21/22	22/23	2019/20 COMMENTARY	2020/21 COMMENTARY	ACTIONS PLANNED FOR FUTURE YEARS
Strategy 1: Support and encourage City employees to use public transport, active transport and car sharing								
<i>Control</i>								
1.1. Continue the staff Active Transport program	check	o	o	o	o	Impacted by COVID-19 as staff shifted to work from home and avoid public transport due to infection risk.	Elements of the program reintroduced. Focus on encouraging active rather than public transport.	Continue to deliver the program with guidance and support from Department of Transport.
1.2. Review and update the Vincent TravelSmart Workplace Plan with a view to creating new initiatives to encourage and grow the confidence of staff in using active/public transport	plan			o		n/a	To commence this year.	Implement the reviewed program.
1.3. Investigate and consider offering staff Active Transport credits in lieu of free staff parking	do	o		o		Report drafted for EMC to consider. Proposal found to be not viable as long as Loftus Centre parking remains free.	On hold for this year due to COVID impacts.	To be considered as part of the Enterprise Bargaining Agreement (EBA) negotiations in 2021/22. If not addressed through the EBA, to be revisited as part of the City of Vincent Car Parking Strategy review (2021/22).
1.4. If feasible, implement a program offering staff Active Transport credits in lieu of free staff parking	plan			o		Dependant on action 1.3 above. Not progressed independently due to budget constraints.	Dependant on action 1.3 above. Not progressed independently due to budget constraints.	To be revisited as part of the City of Vincent Car Parking Strategy review in 2021/22.
Strategy 2: Support and encourage the community to increase use of public and active transport								
<i>Control</i>								
2.1 a Provide active transport accommodation at City-run events (e.g. temporary bike parking infrastructure)	do	o		o	o	Ongoing from previously.	No requirement for this in 2020/21 due to COVID impact on events.	To be reinstated for future events.
2.2 a Deliver bike lane along Florence/Carr/Strathcona/Golding streets	check		o			To be completed in 2020/21.	Completed.	Review, safety checks and activation events to follow in 2021/22.
2.3 a Implement train station access improvements as determined through consultation with the Perth Transport Authority and Department of Transport	do	o	o	o		Nominated works completed in 2019/20. Ongoing process with PTA.	Access Strategy for McIver and Claisebrook train stations substantively completed - yet to be published. City's share of work completed.	Access Strategy for McIver and Claisebrook train stations to be published by PTA in 2021/22.
NEW ACTION: Norfolk Safe Active Street - Stage 1: Feasibility and concept	plan			o			In planning phase. 50% of funding to be provided by Department of Transport.	
NEW ACTION: Comprehensive review and update of the City's Bike Network Plan	plan				o		In planning phase. 50% of funding to be provided by Department of Transport. To be aligned with current State Government network and the Accessible City Strategy.	
NEW ACTION: Summers Street to Claisebrook bicycle infrastructure project	plan				o		In planning phase. 50% of funding to be provided by Department of Transport. Options to be investigated: "protected cycle lanes" on each side of the street, or bidirectional path separated from motor vehicle traffic along one side of the street.	
<i>Influence</i>								
2.1 b Include active transport information in the promotion of City-run events	do	o		o	o	ongoing	Little requirement for this in 2020/21 due to COVID impact on events	Continue as appropriate.
2.2 b Investigate and implement if feasible mechanisms for providing ongoing funding to sustainability focussed community groups that have a proven track record of delivering actions in line with the City's Sustainable Environment Strategy	do		o	o		n/a	Capacity constraints have led to delays.	Commence action in 2021/22
Strategy 3: Reduce the use of petroleum-based fuels in the City's vehicle fleet via renewable alternatives and increased fuel efficiency								
<i>Control</i>								
3.1. Progressively transition the City's passenger vehicles fleet to fully electric or alternative technologies with zero tailpipe emissions as suitable vehicles become available	do	o	o	o	o	ongoing	At end of 2020/21 the majority of passenger fleet vehicles are hybrid or fully electric.	2021/22: All of passenger fleet vehicles to become hybrid or fully electric.
3.2. For work utility vehicles seek hybrid or zero emission alternatives before purchasing conventional combustion engine technology	do	o	o	o	o	ongoing	All work utility vehicles purchased since 2019 have been the most fuel efficient available on the market.	2021/22: Seek hybrid alternatives if available and opportunity for replacement arises.
3.3. For heavy vehicles purchase the highest fuel efficiency and lowest emission vehicles in their class to minimise both greenhouse gas and fuel particulates being emitted into the local environment; and take opportunities as they arise to trial renewable alternatives in collaboration with partner organisations such as vehicle manufacturers, the City's waste contractors and the Australian Renewable Energy Agency (ARENA)	do	o	o	o	o	ongoing	Hybrid truck purchased.	Continue to seek and purchase hybrid or zero emission trucks when due for replacement.
Strategy 4: Facilitate investment in electric vehicle (EV) charging infrastructure								
<i>Control</i>								
4.1 a Ensure the City's planning processes and property management framework are ready to handle applications for public EV charging stations	do		o	o		n/a	Initial approaches received from EV charging operators. Preparing for City's processes to be tested.	2021/22: Identify and initiate policy/process changes if required.
4.2 a Identify and engage with businesses seeking to invest in public electric vehicle charging infrastructure in the metropolitan area	do		o	o	o	n/a	Started conversation with Evie Networks and JOLT.	2021/22: Extend discussion to RACWA and the Electric Vehicle Council (EVC) office@evc.org.au
4.3 a Work with charge station providers to ensure any infrastructure they install is in appropriate locations	plan		o	o	o	n/a	Supported Evie Networks successful bid for ARENA funding for a charge network. Nominated several sites in Vincent that may be suitable charge station locations.	2021/22: Work with Evie Networks to shortlist sites and continue conversations with other potential operators.
4.4 a Identify and implement mechanisms to encourage developers to incorporate EV charging management systems in new developments	check	o	o	o	o	Built Form Policy requirements relating to energy performance for mixed use/commercial/multi-dwelling developments.	State Government Policy now also requires provision for EV charging in new development.	Further action may not be required - monitor the situation.
<i>Advocacy</i>								
4.1 b Collaborate with State Government on planning for public EV charging stations	plan			o	o	n/a	n/a	2021/22: Seek guidance from the relevant state agency on the recommended approach to EV charge networks.
Strategy 5: Facilitate the establishment of electric micro-transport in the city								
<i>Control</i>								
5.1 a Ensure transport planning by the City includes consideration of the impact of electric micro-transport	check		o	o	o	Included in the Accessible City Strategy adopted by Council.	Waiting for guidance from State Government on the regulation of emerging electric micro-transport options.	2021/22: Trial e-scooter for local work related travel by staff. 2022 onwards: Work within State Government regulation to partner with electric micro-transport scheme operators in line with the Accessible City Strategy.
<i>Influence</i>								
5.1 b Use the City's communication platforms to encourage the use of electric bikes and micro-transport (including the City's community Bike Library)	do	o	o	o	o	Promotion of e-bikes is ongoing. Electric micro-transport currently not legal - laws under review nationally. Promotion pending clarification of laws.	Promotion of e-bikes is ongoing. Electric micro-transport currently not legal - laws under review nationally. Promotion pending clarification of laws.	Status of electric micro transport TBC. 2021/22: Share the findings from staff e-scooter trial with the community to inform personal transport choices. Use this as an opportunity to educate about relevant regulations. 2022 onwards: Consider inclusion of electric micro-transport options in the City's Community Bike Library.

OBJECTIVE/ACTION	CURRENT STATUS	CURRENT				2019/20 COMMENTARY	2020/21 COMMENTARY	ACTIONS PLANNED FOR FUTURE YEARS
		19/20	20/21	21/22	22/23			
Strategy 6: Develop, adopt and implement an Integrated Transport Plan to set the future course for mode share, car parking and the City's bike network								
<i>Control</i>								
6.1. Complete the City's Integrated Transport Plan Accessible City Strategy, including: setting targets around mode share shift, review and update of the City's Parking Strategy, and review and update of the City's Bike Network Plan to grow the bike network and increase connectivity within Vincent and across local government boundaries	do	o	o	o		Draft prepared and circulated to Council Members for comment (input provided). Shared with STAG in August 2020 and expected to go to Council in October to approve advertising. Funding applied for to update BNP in 2021/22.	Accessible City Strategy adopted by Council.	2021/22: Commence review of Bike Network Plan (pending required resourcing).
6.2. Review and amend the Sustainability Implications section of Council report templates to ensure that relevant information is captured and linked in a meaningful way to the outcomes of the City's Sustainable Environment Strategy	act	o	o	o	o	First amended in early 2020	Further modified in 2020/21: SES drop-down menu included in most Council report templates. Planning Reports have a standard statement referencing SES outcomes as ESD performance is discussed in detail in the body of the report as standard.	Continue to amend as required by Council to keep this section of Reports meaningful and informative.
Strategy 7: Encourage and support the transition to zero emission vehicles by the community								
<i>Influence</i>								
7.1. Use the adoption of hybrid and zero emission vehicles by the City as an opportunity to promote similar technologies to the community	do	o	o	o	o	Adoption of zero emission vehicles promoted to the community via a range of media channels. Prominent skins applied to vehicles.	Adoption of hybrid truck also promoted and prominent skin applied.	Continue promotional activities as the proportion of hybrid and zero emission vehicles grows.
7.2. Include resource links on the City's website to educate and encourage the community to shift to EVs and to install charging stations at home (include information about safety considerations for home charging)	plan			o	o	n/a	n/a	2021/22: Seek content from EV Association to share with community.
7.3. Promote the air quality benefits of zero-emission vehicles to the community	plan			o	o	n/a	n/a	2021/22: Seek content from EV Association/RACWA to share with community.
4. Offer free parking for zero emission vehicles in the City's car parks for the term of this Strategy (to 2024)	plan	o	o	o	o	No progress - lack of clarity of about mechanism/s for implementing this across the paid parking system.	No progress - limited staff capacity to research mechanisms this year.	2021/22: Research approaches to determine is feasible and plan for implementation. 2022/23: If feasible, start implementation accompanied by marketing campaign.
Strategy 8: Work with the State Government to improve public transport services in Vincent								
<i>Advocacy</i>								
8.1. Continue to work with the Perth Transport Authority to improve existing bus stops/shelters	do	o	o	o	o	A number of shelters installed in 2019/20. Program Ongoing.	Two additional shelters installed in 2020/21. Upgrade of existing shelters is ongoing.	TBC pending 2021/22 Budget.
8.2. Work with the State Government to expand public transport services in Vincent for improved connectivity	do	o	o	o	o	Ongoing. No. 60 bus rerouted in 2019/20.	Advocacy remains ongoing, particularly for east-west connectivity as identified in Accessible City Strategy	TBC
8.3. Work with the State Government to encourage the use of public transport – specifically work with the Department of Transport to deliver and coordinate the roll-out of the Your Move program in Vincent	do	o	o	o	o	Ongoing	Your Move group meets 4 times per year. Promotion to community is underway and ongoing.	Your Move group meets 4 times per year. Promotion to community is underway and ongoing.
8.4. If the trial of reduced speed zones is successful, advocate to the State Government for additional reduced speed zones in Vincent	do	o	o	o	o	Trial ongoing – due to finish April 2021.	Trial completed May 2021. Preliminary report showed slight reduction in average speed.	Current 40k zone proposed to be extended to area encompassing new mini-roundabouts in 2021/22. Trial to be extended for 3 years as part of this. Accessible City Strategy has a target of 40k speed zones in all residential areas by 2023.
Strategy 9: Advocate to State Government for the promotion of electric vehicle charging and management infrastructure in new developments								
<i>Advocacy</i>								
1. Advocate to State Government for building regulations relating to electric vehicle charging infrastructure in multi-dwelling developments	act	o	o	o	o	Ongoing	State Government Policy now also requires provision for EV charging in new development.	Further action may not be required - monitor the situation.
2. Advocate to State Government to empower local government to require the inclusion of electric vehicle charging infrastructure in new developments	act	o	o	o	o	Ongoing	Given the above outcome, further action may not be required.	Monitor the situation.
3. Advocate to State Government on issues and opportunities identified in the City's Integrated Transport Plan	do		o	o	o	Ongoing	Ongoing	Ongoing

City of Vincent Sustainable Environment Strategy - Implementation Plan 2019-2024

Key Opportunity Area: Water

OBJECTIVE/ACTION	CURRENT STATUS	19/20	20/21	21/22	22/23	2019/20 COMMENTARY	2020/21 COMMENTARY	ACTIONS PLANNED FOR FUTURE YEARS
Strategy 1: Increase water use efficiency in City-owned buildings by upgrading water-using fittings and fixtures and embedding water efficient behaviours within operations								
<i>control</i>								
1.1. Install water sub-meters at City-owned facilities that have multiple tenancies or are large complex sites.	do		o	o		n/a	Preparatory plumbing work completed at Admin/Loftus Centre complex to enable separate monitoring of water lines supplying the four separate facilities.	2021/22: Install sub-meters.
NEW ACTION: install real-time water monitoring to facilities in action 1.1	plan		o	o		n/a	Pending work described above.	2021/22: Install real-time monitoring data loggers.
1.2. Install real-time water monitoring at facilities with high water use and where leaks are difficult to detect	plan		o	o		n/a	Initial investigations including quotes being sought for installation work and ongoing monitoring.	2021/22: Complete procurement, start installations and commence monitoring. Start with Admin/Loftus complex and consider other sites as part of the new Waterwise Council Action Plan to be completed in 2021/22.
1.3. Develop, adopt and implement a new Water Efficiency Action Plan in accordance with the Waterwise Councils Program	do		o	o		n/a	Planned for 2020/21 but deferred to 2021/22 - Water Corporation-led process, with new template made available in 2021.	2021/22: Develop and submit new Waterwise Council Action Plan to Water Corporation by October 2021.
1.4. Continue to install the most water efficient fixtures available in facility upgrades/retrofits	do	o	o	o	o	Ongoing		
1.5. Track month-to-month water bills and follow up anomalies with responsible officers	do	o	o	o	o	Awaiting allocation of staff resources requested in Sustainability & Innovation service review	Staff allocated late 2020/21 - work has commenced on mapping and auditing energy accounts, water accounts to commence in 2021/22.	2021/22: Engage with site staff to better understand and manage scheme water use. 2022/23: Embed scheme water management processes in daily tasks of site staff.
1.6. Make water efficient operation of facilities a priority for staff with sign-off authority for water bills at City managed facilities – prepare and implement a process to facilitate this	plan	o	o	o	o	Allocation of staff resources requested in Sustainability & Innovation service review	Contingent on actions above.	Contingent on successful completion of actions above.
1.7. Investigate and implement (if feasible) mechanisms to assist leaseholders to retrofit water saving/harvesting technologies in City-owned buildings	plan			o	o	n/a	n/a	2021/22: Actions to be guided by Water Corporation advice and the new Waterwise Action Plan to be completed in 2021/22.
Strategy 2: Increase groundwater use efficiency in the City's irrigation areas and work with the Department of Water and environmental Regulation to prepare for further reductions in groundwater allocation								
<i>control</i>								
2.1. Develop, adopt and implement a new Water Efficiency Action Plan in accordance with the Waterwise Councils Program	do		o	o		n/a	Planned for 2020/21 but deferred to 2021/22 - Water Corporation-led process, with new template made available in 2021.	2021/22: Develop and submit new Waterwise Council Action Plan to Water Corporation by October 2021.
2.2. Review the irrigation requirements of the City's reserves based on the Public Open Space Hierarchy	check		o			Completed 2020/21	n/a	n/a
2.3. Complete implementation of the City's centralised irrigation control system; identify and implement ways to optimise performance.	check		o	o	o	Commenced.	Completed - ways to optimise system identified and being implemented ongoing.	Continue to implement irrigation upgrades to optimise system.
2.4. Ensure irrigation and park maintenance crews are correctly trained to operationalise water efficient irrigation practices	check		o	o	o	Ongoing - key staff are trained and information sessions provided regularly to general parks staff.	Ongoing - key staff are trained and information sessions provided regularly to general parks staff.	Continue to take advantage of special training offered intermittently by Water Corporation as part of Waterwise Council program.
2.5. Maintain the rate of eco-zoning at 4,000m ² per year	do		o	o	o	Ongoing and meeting annual target		
2.6. Complete further analysis of high water-use reserves specifically to identify further water saving opportunities (including landscaping treatments and changes to hydro-zoning)	check		o			n/a	Completed 2020/21	Implement treatments.
Strategy 3: Identify and utilise alternative (fit-for purpose) water sources, in partnership with relevant government agencies where appropriate								
<i>control</i>								
3.1. Continue to engage with Water Corporation to keep abreast of opportunities to access alternative fit-for-purpose water sources for irrigation	do	o	o	o	o	Relevant staff attended Waterwise Council forums to inform future projects.	Administration sought advice from Water Corporation and Department of Water about alternative water sources and related opportunities and completed a water sensitive urban design review of the City's strategies, policies and plans.	Continue to engage and seek opportunities with relevant agencies.
3.2. Undertake a greywater feasibility study at City-owned facilities with a view to offsetting scheme water use for irrigation of amenity plantings (consider lessons learnt by other organisations, cost of health approvals, management plans and ongoing monitoring and maintenance)	plan	o	o	o	o	Quote obtained for feasibility study.	No progressed due to staff and budget constraints.	2022/23: Further action to be informed by the Waterwise action plan developed in 2021/22.

OBJECTIVE/ACTION	CURRENT STATUS	CURRENT STATUS				2019/20 COMMENTARY	2020/21 COMMENTARY	ACTIONS PLANNED FOR FUTURE YEARS
		19/20	20/21	21/22	22/23			
Strategy 4: Implement the Action Plan* developed at the City's 2018 Water Sensitive Cities Index benchmarking workshop								
<i>Control</i>								
4.1.a Action 6: Explore options for increased use of recycled water and other fit-for-purpose water supplies	do	o	o	o	o	Ongoing engagement with Water Corporation; quote obtained for greywater feasibility study	Administration sought advice from Water Corporation and Department of Water about alternative water sources and related opportunities and completed a water sensitive urban design review of the City's strategies, policies and plans.	Continue to engage and seek opportunities with relevant agencies.
4.2.a Action 8: Improve the City's collaboration with New Water Ways to build water sensitive urban design capacity within the City	do			o	o	Ongoing engagement with Water Sensitive Transition Network	Completed a water sensitive urban design review of the City's strategies, policies and plans.	2021/22 and beyond: Implement recommendations of the water sensitive urban design review.
4.3.a Repeat benchmarking of the City against the Water Sensitive Cities Index in 2023/24 to measure progress toward targets	plan				o	planned for 2023/24		2022/23: Prepare to repeat indexing exercise. 2023/24: Complete indexing and update related action plan.
<i>Influence</i>								
4.1.b Action 2: Promote responsible domestic bore (groundwater) use with guidance from the department of Water and environmental Regulation and Water Corporation	plan			o	o	Ongoing engagement and participation in the Water Sensitive Transition Network (WSTN) for Perth	No community education material available for promoting to the community at this time - to be informed by Plan Currently being developed by the WSTN.	2021/22 onwards: Seek to obtain and promote bore water guidance to community.
Strategy 5: Develop and adopt a Water Sensitive Urban Design (WSUD) Plan aligned with the Vision and Transition Strategy for Greater Perth: Capture, use and infiltrate environmental water to benefit environment and community; make use of alternative water sources; and better integrate water into green spaces								
<i>Control</i>								
5.1. Complete Brisbane Street car park upgrade – if feasible implement permeable carpark technology to increase stormwater infiltration into the local groundwater system	act	o				completed	n/a	
5.2. Review and update the City's Asset Management Plan for Transport Assets, addressing the following:	do					Draft completed in 2019/20. Finalisation and adoption pending adoption of the Asset Sustainability Strategy.	On hold pending adoption of Asset Sustainability Strategy and WSUD review.	2021/22: Complete and adopt Plan, informed by Adopted Asset Sustainability Strategy and WSUD review completed in 2020/21.
i. Future road and car park upgrades designed to divert stormwater to passively irrigate trees and garden beds;								
ii. Disconnection from centralised drainage systems where possible;								
iii. Biofiltration systems included in upgrade works to increase local infiltration into the groundwater system and improve the quality of receiving waters (by removing nutrients, hydrocarbons, organic carbon and pesticides); and								
iv. Replacement of hardstand where possible, to be replaced by permeable surfaces (preferably planted).		o	o	o				
5.3. Continue to trial and adopt new forms of weed control to reduce the City's use of chemical herbicides (to protect receiving waters)	do	o	o	o	o	Ongoing - steam and contact herbicides being trialled.	Ongoing - steam and contact herbicides being trialled. Hand digging weeds where appropriate.	Continue to trial non-toxic alternatives.
Strategy 6: Facilitate WSUD in private development								
<i>Control</i>								
6.1. Investigate and implement mechanisms to encourage WSUD in private development	do	o	o	o	o	Ongoing - water efficiency / landscaping requirements in Built Form Policy.	WSUD review completed to further inform policy and action.	2021/22 onwards: Implement recommendations of the WSUD review.
6.2. Provide ongoing training to the City's Planning Officers relating to environmentally sustainable design	do	o	o	o	o	Sustainability officers work one-on-one with Planning Officers to assist with assessment of Development Applications and provide group updates/information sessions as appropriate	Sustainability officers provided briefings to Planning Officers to assist with implementation of new requirements for single and grouped dwellings.	2021/2022: Community/industry education campaign to promote the benefits of environmentally sustainable design - to be rolled out in collaboration with the Planning team.
6.3. Follow the outcomes of greywater trials for green roofs and walls and consider introducing planning requirements for the inclusion of such green infrastructure in new developments	plan	o	o	o	o	Limited information available to date.	Evidence appears to be growing but insufficient material/confidence in methods to promote at this time.	Continue to monitor for developments in this area.
6.4. Review and amend the Sustainability Implications section of Council report templates to ensure that relevant information is captured and linked in a meaningful way to the outcomes of the City's Sustainable Environment Strategy	act	o	o	o	o	First amended in early 2020	Further modified in 2020/21: SES drop-down menu included in most Council report templates. Planning Reports have a standard statement referencing SES outcomes as ESD performance is discussed in detail in the body of the report as standard.	Continue to amend as required by Council to keep this section of Reports meaningful and informative.
Strategy 7: Expand the City's Adopt a Verge program to further reduce community water use on verges and actively promote the program to encourage continued participation								
<i>Influence</i>								
7.1. Consider expanding the Adopt a Verge program by 50% and implementing a marketing campaign to encourage increased community participation in the Adopt a Verge program	act	o				Completed 2019/20.		
7.2. At the time of the next Greening Plan review (2023) also review the Adopt a Verge program and its ongoing resource requirements	plan				o	n/a	n/a	2022/23: Review the program and its ongoing requirements.

OBJECTIVE/ACTION	CURRENT STATUS	19/20	20/21	21/22	22/23	2019/20 COMMENTARY	2020/21 COMMENTARY	ACTIONS PLANNED FOR FUTURE YEARS
Objective 8: Encourage and assist residents and businesses to understand, apply for and install on-lot rain water and greywater systems								
<i>Influence</i>								
8.1. Use the City's website and social media to share up-to-date information about rainwater and greywater system suitability, installation, use and maintenance	do		o	o	o	n/a	Prepared greywater fact sheet and updated website.	2021/22: Consider waiving application fees for greywater systems to encourage increased uptake.
8.2. Share with the community lessons learned from the City's feasibility study (and potential implementation) of greywater systems	plan				o	n/a	n/a	Pending completion of feasibility study.
8.3. Deliver workshops and events including information and advice on rainwater and greywater	do	o	o	o	o	Ongoing - some activities deferred due to COVID-19	Included in Sustainability Pop-up Hub	2021/22: Consider separate greywater/rainwater information session for community.
8.4. Undertake a survey to determine the extent/success of greywater use in households where greywater systems have previously been installed	plan				o	n/a	n/a	2022/23: Collate contact list of previous installations and contact property owners/residents.
Strategy 9: Increase community water literacy, including the understanding of water efficiency, the local water cycle and connection to and ownership of local wetlands								
<i>Influence</i>								
9.1. Use the City's website and social media to share water-related information and resources produced by the City and third parties such as Water Corporation, Switch Your Thinking and River Guardians	do	o	o	o	o	Ongoing	Ongoing	Continue to share relevant information as it becomes available.
9.2. Continue to seek opportunities to collaborate and partner with industry to deliver events and educational materials to the community	do	o	o	o	o	Ongoing - some activities deferred due to COVID-19	Included in Sustainability Pop-up Hub	2021/22: Consider separate greywater/rainwater information session for community.
9.3. Measure and report on the effectiveness/impact of events and educational materials to guide future decisions about investment in different forms of community education/engagement	do	o	o	o	o	Events delivered as planned in 2019. 2020 events disrupted by COVID-19 pandemic control measures.	Assessment of community engagement with the Pop-up Hub model has led to re-thinking how we deliver community information events.	2021/22: Trial delivering the components of the Sustainability Pop-up Hub as a series of individual events targeting specific groups within the community.
9.4. Use signage at local wetlands to communicate their value and vulnerability to contaminants, pollutants and other human impacts (to be deployed in alignment with the Public Open Space Signage Strategy)	plan			o	o	n/a	n/a	Work with teams responsible for projects related to wetlands to inform and deploy signage.
9.5. Investigate and implement if feasible stormwater drain marking to raise awareness of the impact of pollutants on receiving environments (consider delivering this in collaboration with the community – City to supply materials and traffic control)	plan			o	o	n/a	n/a	2021/22: Commence investigation.
9.6. Investigate and implement if feasible mechanisms for providing ongoing funding to sustainability focussed community groups that have a proven track record of delivering actions in line with the City's Sustainable Environment Strategy	do		o	o		n/a	Capacity constraints have led to delays.	Commence action in 2021/22
Strategy 10: Advocate to both State and Federal Government for higher building design standards for new builds and retrofits (all building types)								
<i>Advocacy</i>								
10.1. Take advantage of opportunities to advocate to State and Federal Governments – this may be in response to direct consultation or as part of proactive campaigns led by partner organisations such as the Western Australian Local Government Association or the Green Building Council of Australia	do					Ongoing – both direct and indirect engagement (government surveys, advocacy partnerships etc.)	Ongoing - primarily through membership and participation in Water Sensitive Transition Network (WSTN) for Perth	Continue to seek opportunities for advocacy.
Strategy 11: Advocate to State Government to require increased water performance standards in new developments and to facilitate greywater use								
<i>Advocacy</i>								
11.1. Proactively engage with the Western Australian Planning Commission to encourage increased water performance standards in State Planning Policy and seek support for additional water performance provisions within local planning policies to drive continuous improvement in new developments	do	o	o	o	o	Feedback provided to WAPC on effectiveness of Design WA policy.	Conversation ongoing with WAPC on the City's Built Form Policy provisions.	Continue to advocate to WAPC for support of the City's current and future water provisions.
11.2. Consider advocating to the State Government for the relaxation of greywater regulations that currently limit uptake (determined if current regulations are unnecessarily restrictive in the local context)	plan			o	o	n/a	n/a	Commence action in 2021/22

City of Vincent Sustainable Environment Strategy - Implementation Plan 2019-2024
Key Opportunity Area: Waste

OBJECTIVE/ACTION	CURRENT STATUS	19/20				2019/20 COMMENTARY	2020/21 COMMENTARY	ACTIONS PLANNED FOR FUTURE YEARS
		19/20	20/21	21/22	22/23			
Strategy 1: Implement sustainable procurement practices to minimise waste generation within the City's operations								
<i>Control</i>								
1.1. Complete replacement of all vinyl roadside banners used by the City (via display frame installations)	do	o				Completed - with the installation of 6 permanent frames to hold recyclable eco-signs.	n/a	Consider installation of further permanent frames if required.
1.2. Replace the use of pole-mounted single-use vinyl banners with recyclable pressed cardboard signs (install pole-mounted frame structures to hold cardboard signs)	plan		o	o	o	Early investigations indicate significant infrastructure cost.	On hold pending budget.	2021/22: Seek to progress via updated costing/installation options and listing on draft Budget. Consider staged approach.
1.3. Prohibit the use of single-use vinyl roadside banners by the community (provide community access to the City's permanent frames for displaying recyclable signs)	check	o	o	o	o	Access provided to eco signs for community events	Completed	
Strategy 2: Maximise diversion of waste from landfill through existing waste collection processes								
NEW ACTION: Trial separate collection stream for dog waste from parks to enable diversion to composting								
	act		o	o	o	Early investigation revealed potential candidate bin but required modification.	Trial of modified prototype Doggies Dummies completed. Reduced contamination of dog waste but bin needed further design changes to make it suitable for wider implementation.	2021/22: Seek opportunity to trial further modified bins to facilitated transition to composting of all dog waste disposed of in COV reserves.
Strategy 3: Implement the City's Waste Strategy 2018 – 2023* (Projects 1-10)								
<i>Control</i>								
3.1.a Actions to increase recovery of organic waste (to be guided by outcomes of Project 1 in the City's Waste Strategy: Recovery of Organic Material Food and Green Options Appraisal (Give consideration to the greenhouse gas emissions resulting from organic material recovery and processing options))	plan	o	o	o	o	FOGO: Project delayed due to COVID-19, council decision in March 2020 to postpone roll-out to October 2021.	FOGO education campaign is now underway. Assessment of all multi-unit developments (450+ properties) in preparation for FOGO rollout completed	FOGO education campaign to be rolled out in 2020/21. FOGO collection to commence in 2021/22. FOGO evaluation planned for 2022/23.
3.2.a Actions to increase resource recovery from bulk hard waste (to be guided by outcomes of Project 2 in the City's Waste Strategy: Bulk Hard Waste (junk) Service Options Appraisal)	plan	o	o	o	o	Initial modelling and detailed options report presented to Council. Community Engagement Panel Session held.	18 Months On-demand service trial with WMRC (Verge Valet) agreed, service to commence from January 2022.	2020/21: Community Perception Survey and Report to Council to approve next steps. Jan 2022: Verge Valet Vincent trial to commence.
3.3.a Project 5: Research Alternative Waste Treatment Options – Find alternatives to landfill in line with the waste hierarchy	plan		o	o	o	Early planning phase	early planning phase	2021/22: Complete Project Plan/timeline and research available options. 2021/22: Liaise with external Stakeholders and undertake site visits. 2021/22: Prepare outcome report for Council.
3.4.a Project 7: Develop Business Systems for Waste Services for Accurate Records and Reporting – Improve business systems to deliver higher level customer service and service efficiency	do	o	o	o	o	Existing data assessed, site audits completed, waste categories/waste services workflows established along with collaborative Project Control Group (PCG). The following actions were delayed due to COVID-19: Test release and change management activities planned for May and October 2020.	Waste Register Updated, CRM system implemented	2020/21: Ensure business system availability ahead of major project implementation (FOGO and discontinuation of Commercial Waste Services)
3.5.a Actions to ensure the best service provision to businesses and provide transparency around waste collection costs to be guided by the outcomes of Project 8: Commercial Waste Collections Options Appraisal	check	o	o	o		Council decision adopted in-principle.	Report and business case presented to Council and commercial service changes approved in September 2020. Bin retrieval to commence in July 2021.	2020/21: Commercial services bin retrieval to be completed.
3.6.a Actions to create a transparent charging mechanism that will incentivise residents to minimise waste to landfill will be guided by the outcomes of Project 9: Separate Waste Charge Options Appraisal	plan			o		On hold.	n/a	Review scheduled to commence after discontinuation of commercial waste service (July 2021).
<i>Influence</i>								
3.1.b Project 6: Waste and Recycling Education, Awareness and Promotional Programs – Identify barriers, improve awareness and provide solutions to drive community behaviour higher up the waste hierarchy (maximise waste avoidance and recovery)	do		o	o	o	Ongoing education campaigns including workshops and Eco-Christmas promotion.	Ongoing education campaigns including waste reduction workshops, subsidised cloth nappy program and rollout of FOGO campaign.	Ongoing, with additional programs and education campaigns being developed to align with other projects in the Waste Strategy.
<i>Advocacy</i>								
3.1.c Project 4: Regional and Cross Boundary Collaborative Partnership – Identify solutions to shared issues (cross-boundary); Explore economies of scale; Develop consistent approach to waste on a regional level	do		o	o	o	Ongoing collaboration with City of Perth, City of Stirling, WALGA and Mandarie Regional Council.	Participated in working group - FOGO in MUDs	Ongoing collaboration with City of Perth, City of Stirling, WALGA and Mandarie Regional Council.
3.2.c Project 10: Advocacy and Lobbying for Change to State and Federal Waste Legislation and Policy – Advocate for change in waste management legislation and policy at State and Federal levels to enable, encourage or mandate new/alternative approaches to waste production, manufacturing, management and disposal	do		o	o	o	Ongoing - the Waste team regular reviews WALGA notifications to ensure participation in all relevant reviews and submissions.	Ongoing - the Waste team regular reviews WALGA notifications to ensure participation in all relevant reviews and submissions.	Continue ongoing actions.
Strategy 4: Investigate and implement mechanisms to ensure that developments demonstrate best practice in reducing waste associated with construction and maintenance								
<i>Control</i>								
4.1. Provide ongoing training to the City's Planning Officers relating to environmentally sustainable design	do	o	o	o	o	Sustainability officers work one-on-one with Planning Officers to assist with assessment of Development Applications and provide group updates/information sessions as appropriate	Sustainability officers provided briefings to Planning Officers to assist with implementation of new requirements for single and grouped dwellings.	2021/2022: Community/industry education campaign to promote the benefits of environmentally sustainable design - to be rolled out in collaboration with the Planning team.
4.2. Review and amend the Sustainability Implications section of Council report templates to ensure that relevant information is captured and linked in a meaningful way to the outcomes of the City's Sustainable Environment Strategy	act	o	o	o	o	First amended in early 2020	Further modified in 2020/21: SES drop-down menu included in most Council report templates. Planning Reports have a standard statement referencing SES outcomes as ESD performance is discussed in detail in the body of the report as standard.	Continue to amend as required by Council to keep this section of Reports meaningful and informative.
Strategy 5: Provide feedback to the community about its waste impacts and support community waste projects that benefit the environment								
<i>Influence</i>								
5.1. Continue to support community groups to set up local projects that reduce waste generation and increase waste diversion	check	o	o	o	o	Continued support for community composting hub and start of conversation about a potential community Tool Library.	Tools'nThings Tool Library established at Litis Stadium with the support of the City.	Continue to support community groups to take related actions.
5.2. In community education material include information about: i. The amount of greenhouse gas emissions produced by the average Vincent household through its waste; ii. Waste tonnages collected by the City (to help residents understand the volumes of waste landfilled and recycled)	plan			o	o	n/a	n/a	Commence in 2021/22
5.3. Investigate and implement if feasible mechanisms for providing ongoing funding to sustainability focussed community groups that have a proven track record of delivering actions in line with the City's Sustainable Environment Strategy	do		o	o		n/a	Capacity constraints have led to delays.	Commence action in 2021/22

City of Vincent Sustainable Environment Strategy - Implementation Plan 2019-2024

Key Opportunity Area: Greening

OBJECTIVE/ACTION	CURRENT STATUS	19/20	20/21	21/22	22/23	2019/20 COMMENTARY	2020/21 COMMENTARY	ACTIONS PLANNED FOR FUTURE YEARS
Strategy 1: Implement the City's Greening Plan 2018 – 2023								
<i>Control</i>								
1.1 Objective 1: Increase Canopy Cover on Public Land								
- Plant more trees than are lost or removed	act	o	o	o	o	Achieved for this year.	Achieved for this year.	
- Complete 1.5 kilometres of additional greenway planting per year	act	o	o	o	o	Achieved for this year.	Believed to be achieved. To be confirmed in upcoming Report to Council on progress toward Sustainable Environment Strategy targets.	2021/22: Report on progress toward targets in November 2021. Continue actions to meet 1.5km per year greenway target.
- Select trees to maximise overall canopy cover for each planting area	act	o	o	o	o	Completed	Completed	Continue action to maximise canopy cover.
- Implement quality pruning & management techniques to maximise the canopy of each individual tree	act	o	o	o	o	Completed	Established practice - ongoing. Pruning is kept to the minimum required to facilitate maximum canopy growth.	Continue action to maximise canopy cover.
1.2 Objective 2: Enhance Habitat and Promote Biodiversity								
- Identify existing areas of biodiversity value	check				o	Completed - in partnership with Curtin University student project. Recommendations received by the City.	Outcomes of this work to inform future planting and eco-zoning.	
- Preserve, enhance and expand existing areas of biodiversity value through supplementary planting	do	o	o	o	o	Ongoing biodiversity planting in prioritised areas.	Ongoing biodiversity planting in prioritised areas.	Ongoing biodiversity planting in prioritised areas.
- Connect existing areas of biodiversity value through additional planting of biodiversity linkages across the City	do			o	o	Continued biodiversity planting in prioritised areas.	Continued biodiversity planting in prioritised areas.	Continue action to maximise linkages.
- Prioritise the preservation & improvement of native habitat and biodiversity in all greening activities	check		o	o	o	Ongoing	Ongoing	Continue action to maximise canopy cover.
1.3 Objective 3: Greening the Town Centre								
- Select trees and amenity plantings based on the functional needs of each Town Centre and in consultation with relevant stakeholders	check	o	o	o	o	Ongoing - aided by tree selection tool.	Ongoing - aided by tree selection tool.	Continue action to maximise canopy cover.
- Develop a program of tree planting in City-managed open-air car parks to achieve 60% tree canopy cover in accordance with the City's Built Form Policy	do	o	o	o	o	Completed.	Program implementation ongoing.	Continue action to maximise canopy cover.
1.4 Objective 4: Greening Private Land and New Development								
- Use available planning instruments to mandate and incentivise the retention or reinstatement of vegetation	check					Ongoing - planning policy now in place and being implemented.	Ongoing - planning policy now in place and being implemented.	Continue action to maximise canopy cover.
- Investigate incentives for encouraging tree retention by property owners outside the development approval process	plan	o	o	o	o	Delayed due to staff capacity constraints.	Investigations under way - options appear limited.	2021/22: Continue investigations and propose approaches to action.
- Review the Built Form Policy canopy requirements to determine if the current canopy requirements are sufficient to achieve the identified target of 12% in the private domain	plan	o	o	o	o	Delayed due to staff capacity constraints.	Review under way.	2021/22: Complete review and recommend changes if appropriate.
- Provide ongoing training to the City's Planning Officers relating to environmentally sustainable design	do	o	o	o	o	Sustainability officers work one-on-one with Planning Officers to assist with assessment of Development Applications and provide group updates/information sessions as appropriate	Sustainability officers provided briefings to Planning Officers to assist with implementation of new requirements for single and grouped dwellings.	2021/2022: Community/industry education campaign to promote the benefits of environmentally sustainable design - to be rolled out in collaboration with the Planning team.
- Review and amend the Sustainability Implications section of Council report templates to ensure that relevant information is captured and linked in a meaningful way to the outcomes of the City's Sustainable Environment Strategy	act	o	o	o	o	First amended in early 2020	Further modified in 2020/21: SES drop-down menu included in most Council report templates. Planning Reports have a standard statement referencing SES outcomes as ESD performance is discussed in detail in the body of the report as standard.	Continue to amend as required by Council to keep this section of Reports meaningful and informative.
1.5 Objective 5: Greening the Community								
- Invite community input and participation in City driven greening initiatives	do	o	o	o	o	Ongoing. Consultation on street tree plantings and community invitation to participate in eco-zoning.	Ongoing. Consultation on street tree plantings and community invitation to participate in eco-zoning.	Continue action to keep community engaged and supportive of greening activities.
- Invite the community to nominate greening projects and initiatives to be delivered by the City	check	o	o	o	o	Previously done via Environmental Advisory Group and community budget submissions - this needs to be reviewed.	Now done via Sustainability and Transport Advisory Group. Community budget submissions on hold.	Continue current action and consider additional actions to advance this objective.
<i>Influence</i>								
1.2 Objective 3: Greening the Town Centres								
- Proactively engage with and provide technical advice to stakeholders involved in greening activities	act	o	o	o	o	Ongoing - primarily through advice provided to planning Applicants but could reach out to more residents with more staff resources.	Ongoing - primarily through advice provided to planning Applicants but could reach out to more residents with more staff resources.	2022/23: At next greening plan review consider increasing staff resources to provide more detailed advice to community and business.
1.3 Objective 4: Greening Private Land and New Development								
- Educate the community on the benefits of trees and soft landscaping	check	o	o	o	o	Ongoing - This is being done in a passive/reactive way. Could be more proactive with more staff resources (e.g. developing more educational materials and actively seeking out and engaging with community members).	Ongoing - This is being done in a passive/reactive way. Could be more proactive with more staff resources (e.g. developing more educational materials and actively seeking out and engaging with community members).	2022/23: At next greening plan review consider increasing staff resources for education and engagement.
- Support and advise residents in choosing appropriate tree and landscaping species	check	o	o	o	o	Ongoing - This is being done in a passive/reactive way. Could be more proactive with more staff resources.	Ongoing - This is being done in a passive/reactive way. Could be more proactive with more staff resources.	2022/23: At next greening plan review consider increasing staff resources for education and engagement.
- Engage and educate developers on the value of trees and soft landscaping to developments	check	o	o	o	o	Ongoing - primarily through advice provided to planning Applicants but could reach out to more residents with more staff resources.	Ongoing - primarily through advice provided to planning Applicants but could reach out to more residents with more staff resources.	2022/23: At next greening plan review consider increasing staff resources to provide more detailed advice to community and business.
- Advise developers in choosing appropriate tree and landscaping species	do	o	o	o	o	Ongoing - done by referral to Parks team	Ongoing - done by referral to Parks team	Continue action to maximise canopy cover.
1.5 Objective 5: Greening the Community								
- Provide effective communication, education and networking opportunities centred on urban greening	check	o	o	o	o	Ongoing - delivered via Parks events (Native Plant Sale and National Tree Day/Eco-zoning plantings).	Ongoing - delivered via Parks events (Native Plant Sale and National Tree Day/Eco-zoning plantings).	2022/23: At next greening plan review consider increasing staff resources for education, engagement and greening events.
- Support the community to deliver greening projects and initiatives through financial and in-kind Support from the City	check	o	o	o	o	Ongoing - delivered via Environmental Grants and collaboration with Claise Brook Catchment Group.	Ongoing - delivered via Environmental Grants and collaboration with Claise Brook Catchment Group.	Continue action to maximise canopy cover.
- Investigate opportunities to create further free community mulch piles and implement where possible	act	o				Completed. Existing mulch hub appears to be meeting the community's needs. Limited suitable sites outside this location.		May be revisited if demonstrated need for additional mulch stations.
- Place informative signage in eco-zoned areas to educate and encourage residents to undertake similar plantings on their properties and verges – to be aligned with the Public Open Space signage Strategy	plan			o	o	n/a	n/a	Work with relevant teams develop and deploy appropriate signage.
<i>Advocacy</i>								
1.1.c Objective 4: Greening Private Land and New Development								
- Advocate for changes to State planning legislation and policy to facilitate protection of both trees on privately owned land and their owners against tree-related liability	do	o	o	o	o	Feedback provided to WAPC on effectiveness current state planning policy, which favours tree planting in greenfields sites but offers little protection to trees in built up areas.	Conversation ongoing with WAPC on the City's Built Form Policy provisions.	Continue to advocate to WAPC greater tree protections in planning policy.
Strategy 2: Implement the Action Plan™ developed at the City's 2018 Water Sensitive Cities Index benchmarking workshop to further support the growth of the City's tree canopy and improve connection between Vincent's "green" and "blue" assets								
<i>Control</i>								
2.1a Action 1: Prioritise local streets that connect neighbourhoods to bodies of water for biodiversity plantings to improve the walkability to nearby lakes and to the river. Include this as a Greening Plan action at the next review	do	o	o	o	o	Ongoing biodiversity planting in prioritised areas.	Ongoing biodiversity planting in prioritised areas.	2022/23: At next greening plan review consider including this prioritisation.
<i>Influence</i>								
2.1 b Action 1: Continue and expand the Adopt a Verge program to incentivise and assist residents to create native verge gardens that contribute links to the chain of "biodiversity islands" being established by the City to connect green and blue spaces. Include this as a Greening Plan action at the next review.	check	o				Completed - Adopt a Verge expanded, but not in a targeted way to address green-blue linkages.	n/a	2022/23: At next greening plan review consider targeting green-blue linkages specifically through Adopt a Verge.
<i>Advocacy</i>								
2.1.c Action 3: Continue to advocate for changes to State legislation to facilitate tree protection by local government	do	o	o	o	o	Feedback provided to WAPC on effectiveness current state planning policy, which favours tree planting in greenfields sites but offers little protection to trees in built up areas.	Conversation ongoing with WAPC on the City's Built Form Policy provisions.	Continue to advocate to WAPC greater tree protections in planning policy.