



LIVING GREEN

Environmental Plan 2014-2020

LIVING GREEN TO 2020 REFRESH



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Acknowledgements:

The City of Charles Sturt would like to gratefully acknowledge the input and assistance of our community and stakeholders in the development of this plan.

Council also thanks Kaarina Sarac, of Sarac Consulting Services, for designing and undertaking the community and stakeholder engagement for the original plan, and for taking it forward to draft stage.

What is 'Living Green to 2020'?

'Living Green to 2020' is the City of Charles Sturt's new environmental plan. It takes the place of our previous plan, 'Towards One Planet Living: 2008 –2013'.

'Living Green to 2020' is a strategic plan of Council, and has been put together based on community, staff and stakeholder input. It describes how Council will approach environmental issues for the coming years, in partnership with our community.

The 'Living Green to 2020 Refresh' is the second version of the environmental plan with updates from the mid-term review which took place in 2018. Although the intention of the original Living Green document has been retained, changes include aligning the plan's themes with the new Corporate Plan and modifying actions to reflect progress that has been made since Living Green was developed.

Community ideas and engagement

The original plan was the result of a four step community engagement process, which commenced in 2013. It included targeted conversations with community leaders, staff and stakeholders that identified key issues to be further explored, ideas were gathered and a community workshop was held which fed into the draft plan. The community was invited to provide feedback on the draft plan. Council endorsed Living Green in 2015.

Review of Living Green (May-June 2018)	Plan refresh (June 2018)	Community engagement (July-August 2018)
<ul style="list-style-type: none">• Targeted conversations with staff to review progress on Living Green actions• Assessment of updates required since Living Green was developed	<ul style="list-style-type: none">• Amendments made to Living Green to reflect staff engagement and new Corporate Plan	<ul style="list-style-type: none">• Participants who took part in the development of the original Living Green Plan contacted directly for feedback on progress and future focus• Feedback on progress and future focus invited from the general community

The community and staff engagement process for the Living Green Refresh was undertaken in 2018 and edits made to reflect the changes from the review and the Refresh was adopted in 2018.

Some of the feedback received from staff and community engagement that was outside of the scope of the mid-term review but will be considered in the development of a new plan when Living Green expires in 2020 are:

- Consider a regenerative framework to not only reduce environmental impacts, but contribute 'extra' to improve the health of our natural systems
- Review of the indicators and their link with the Corporate indicators
- Review how the environmental plan links to related strategic plans
- Investigate community sustainability network options
- Further investigate how our communities want to take ownership of certain actions and regularly engage.

Do your bit

This plan is the result of community, staff and stakeholder input. We all have a role in the plan's implementation.

Whether you are a member of staff, an Elected Member of Council, are a stakeholder or member of our community, you are an important part of the plan and of protecting our local environment.

Help make it happen by talking about sustainability, living sustainability and connecting with your community. A healthy environment and healthy people go hand in hand and create a better future for us and future generations.

Find out more about how you can do your bit:

By email: to council@charlessturt.sa.gov.au

By phone: on 8408 1111

Through the website: www.charlessturt.sa.gov.au

Structure of this plan

The plan is structured under the following 5 themes:

- Our Community
- Our Liveability
- Our Environment
- Our Economy
- Our Leadership

Topics are then listed on their own page. Each topic represents a set of issues that has been raised by our community, for action by Council over coming years.

In some cases, this feedback has highlighted existing areas of Council activity. In other cases, our community is asking Council to take on new or expanded environmental roles.

Existing actions are included, to confirm Council's intention to continue supporting and reporting on these areas of environmental activity as this plan is implemented.

New actions are to be implemented in the years to 2020.

Key responsibilities are specified for each action. These refer to the individual Business Units within Council that will be responsible to lead and coordinate each action's delivery, and report the outcomes.

The source of each action is also identified as follows:

- Corporate Plan references – to show links to Council's broader strategic framework
- Community and stakeholder input – to show links to the ideas gathered during the preparation of this plan
- New action – to show actions that were added due to the mid-term review

KPIs, as listed in Council's Community and Corporate Plans, are identified as part of this plan. These KPIs do not replace reporting on each action's implementation, but provide an additional high level indicator of the impact of our activities in each topic.

Living Green to 2020 Refresh will expire in 2020. In 2019 work will commence to review progress and determine how Council, in partnership with the community, will address environmental issues in future and what will take the place of Living Green.

Our Community

The City of Charles Sturt is a city where people come first.

Our community comprises 113,000 residents from over 139 different cultures. It includes 8,003 local businesses and 46,462 jobs.

People from local schools, sporting clubs, recreation groups and community groups create a social cohesion that strengthens the community, improving our health, happiness and resilience.

Input from the Community Plan engagement and early discussions on the original Living Green Plan affirm that our community is concerned about environmental issues, and strongly supports Council's role in environmental management. Our community is seeking to take an active role themselves in creating a better environmental future, including through direct action in their own homes and workplaces and through their work as volunteers.

This theme focuses on these people and the way in which we all interact with our environment. We all interact with environmental services such as water and energy production, public transport services, walking and cycling infrastructure and the stormwater and other systems that keep our communities running smoothly.

The role of Council in supporting local environmental action is also addressed. This includes Council's role in supporting volunteers, responding to environmental views and perspectives, and advocating for other tiers of government to do the same. It also includes specific actions to help educate and encourage action of our residents on environmental issues of interest to them.

1.1 Local Action

We will continue to:	Key Responsibility	Source
1.1.1 Advocate for environmental issues of importance to Council and its community, including energy efficient street lighting, waste and recycling services, public transport and development issues	Leadership Team Waste + Sustainability	Corp Plan Community and stakeholder input
1.1.2 Develop strategies to involve schools and volunteers in environmental promotions, including at Council events	Community Connections	Corp Plan Community and stakeholder input
1.1.3 Support and encourage the work of volunteers in caring for biodiversity areas	Open Space, Recreation and Property	Corp Plan Community and stakeholder input
1.1.4 Support communities to promote, run and participate in fruit and vegetable swaps, food recovery programs, Magic Harvest scheme and school gardens	Community Connections	Corp Plan Community and stakeholder input
1.1.5 Encourage the use of local indigenous and native plants and trees in private gardens	Open Space, Recreation and Property	Corp Plan Community and stakeholder input
1.1.6 Make use of new technologies to assist our customers and community to report environmental infringements and incidents	Information Services Public Health and Safety	Community and stakeholder input

By 2020:	Key Responsibility	Source
1.1.7 Identify the benefits of live metering as an education tool and to help households manage their environmental impacts and bills	Waste + Sustainability Information Services	Community and stakeholder input
1.1.8 Review the involvement of residents in the shared care and establishment of young street trees, verges and other streetscape elements	Open Space, Recreation and Property	Community and stakeholder input
1.1.9 Develop a decision making framework for the development of environmental education topics and activities, to inform and inspire community action	Waste + Sustainability	Corp Plan Community and stakeholder input

1.2 Community Education

We will continue to:	Key Responsibility	Source
1.2.1 Apply new and engaging ways to educate our community about environmental issues	Marketing and Communications	Corp Plan Community and stakeholder input
1.2.2 Harness the power of community events and public art to inspire environmental action	Community Connections Waste + Sustainability	Community and stakeholder input
1.2.3 Educate the community about the value of our coastal environment, its use and care	Open Space, Recreation and Property	Community and stakeholder input
1.2.4 Support young people at The Brocas undertake/be involved and aware of environmental initiatives and issues	Community Connections	Stakeholder input
1.2.5 Host a series of environmental speakers on topical issues of interest to the community	Community Connections	Corp Plan Community and stakeholder input

By 2020:	Key Responsibility	Source
1.2.6 Trial the delivery of a 'Green Buildings Advisory Service' to support environmental decision making by the community and developers, and reduce reliance on air conditioning	Waste + Sustainability	Community and stakeholder input
1.2.7 Host a 'Thinker in Residence' or similar program to inspire and create new innovative environmental opportunities for Council and its community	Waste + Sustainability	Community and stakeholder input
1.2.8 Develop and promote environmental messages that are appropriate to people of all cultures	Community Connections	Community and stakeholder input
1.2.9 Prepare an environmental communication strategy to prioritise key messages, forms of delivery and identify potential for sponsorship, including consideration of the role undertaken by the existing Marine Discovery Centre.	Waste + Sustainability	Community and stakeholder input
1.2.10 Work with community groups and developers to promote financial and other user benefits of green buildings	Waste + Sustainability	Community and stakeholder input

Our Liveability

The City of Charles Sturt comprises over 46,300 households with a range of housing types. This theme provides the opportunity for Council to encourage, support and advocate for environmentally sensitive developments. It also encourages community and Council to work together to create this vision.

The decisions and actions of other tiers of government are also critical to improving our built environment. They set policy that sets minimum built quality standards for new buildings, and the rules that govern our development assessment process.

For these reasons, the actions listed in this theme include some for which Council acts in the role of service provider, and others in which our role is to advocate to the State and Commonwealth Governments to improve the way in which they deliver services to our region. In other cases, Council's role will be as a facilitator – informing our community to support positive environmental outcomes.

Council also has a capital program of improvements to the local road network, including the establishment and maintenance of bicycle and walking paths and bus stops. These activities contribute significantly to the promotion and safety of walking and cycling for residents.

Liveability is also influenced by the impact that climate change is having and is likely to have in the future. The issue can only be addressed by everyone working together, so this theme includes actions to raise awareness, plan and collaborate on responses to climate change including with neighbouring Western Adelaide Councils, service providers, other levels of government and the community.

2.1 Development

We will continue to:	Key Responsibility	Source
2.1.1 Encourage and support the uptake of sustainable development principles including in concept and master plans that exceed minimum legislative requirements, including the establishment of green buildings and precincts to showcase best practice	Urban Projects Engineering, Strategy and Assets Open Space, Recreation and Property	Corp Plan Community and stakeholder input
2.1.2 Support home-based enterprises within residential areas, where compatible with surrounding uses	Urban Projects	Corp Plan Community and stakeholder input
2.1.3 Encourage appropriate creation of rooftop gardens and other alternative greenspace, including green walls and shared gardens	Planning and Development	Corp Plan Community and stakeholder input
2.1.4 Provide training opportunities for planning and development assessment staff, and Council's Development Assessment Panel, in relation to sustainable design and construction and provide this information to applicants	Planning and Development	Community and stakeholder input
2.1.5 Advocate for the State Government to more effectively engage with local communities when planning for new development with respect to environmental implications, including early in the process of developing strategy and policy, and to secure improvements in water management in new developments	Urban Projects	Community and stakeholder input
2.1.6 Adopt an 'education, encouragement and enforcement' approach to minimising negative environmental impacts of the building and construction process	Public Health and Safety Planning and Development	Community and stakeholder input
2.1.7 Educate, encourage and advocate for the protection of large, significant and regulated trees	Planning and Development	Community and stakeholder input
2.1.8 Enforce the requirements of the Building Code of Australia, to ensure all new buildings meet required standards for energy efficiency	Planning and Development	Community and stakeholder input
2.1.9 Address sustainability principles in all placemaking initiatives, to secure best environmental outcomes	Urban Projects	Community and stakeholder input

By 2020:	Key Responsibility	Source
2.1.10 Trial the delivery of a 'Green Buildings Advisory Service' to encourage uptake of environmental improvements in designs for new buildings and renovations	Waste + Sustainability	Corp Plan Community and stakeholder input

2.1.11 Research, document and promote effective approaches to support adaptive reuse of buildings as an alternative to knock-down and rebuild development and for reuse of Council infrastructure	Planning and Development Engineering, Strategy and Assets	Corp Plan Community and stakeholder input
2.1.12 Investigate options for Council to promote environmentally sensitive developments that exceed standard legislative compliance, and pursue innovative best practice	Planning and Development	Corp Plan Community and stakeholder input
2.1.13 Seek advice from the Department of State Development about the use of wind power on residential buildings in suburban areas, and make that information available to our community via the Council website	Waste + Sustainability	Community and stakeholder input
2.1.14 Support research into the benefits of low carbon and sustainable living, including in new developments such as Bowden Urban Village and others	Urban Projects Waste + Sustainability	Community and stakeholder input
2.1.15 Advocate for improvements to the Building Code of Australia, including a focus on energy efficiency, design for heat wave	Planning and Development	Community and stakeholder input
2.1.16 Investigate options for Council to encourage the sustainable design assessment of developments in the planning process	Waste + Sustainability Planning + Development Urban Projects	New action

2.2 Active Transport

We will continue to:	Key Responsibility	Source
2.2.1 Provide and promote great walking and cycling opportunities, and encourage walking and cycling for short journeys	Engineering, Strategy and Assets	Corp Plan Community and stakeholder input
2.2.2 Provide, promote and improve safe cycling networks, and work with State agencies to do the same along arterial roads and strategic cycling corridors	Engineering, Strategy and Assets	Corp Plan Community and stakeholder input
2.2.3 Promote the free 'City Bike' scheme, to promote cycling and local tourism	Open Space, Recreation and Property	Corp Plan Community and stakeholder input
2.2.4 Investigate options to work with local schools to promote active transport options	Community Connections	Corp Plan Community and stakeholder input
2.2.5 Provide safe and accessible bicycle lock-up locations at popular cycling destinations, including along the coast, at West Lakes, St Clair, Bowden and others	Engineering, Strategy and Assets	Corp Plan Community and stakeholder input
2.2.6 Identify major employers within the City of Charles Sturt and work with employers to develop travel plans to encourage active transport	Engineering, Strategy and Assets	Corp Plan Community and stakeholder input
2.2.7 Promote the range of services to promote safe cycling, including courses for beginner cyclists and cycle maintenance	Community Connections Open Space, Recreation and Property	Corp Plan Community and stakeholder input
2.2.8 Promote active transport options to Council events and venues	Public Health and Safety	Corp Plan Community and stakeholder input
2.2.9 Implement Council's Strategy for Walking and Cycling	Engineering, Strategy and Assets	Community and stakeholder input

By 2020:	Key Responsibility	Source
2.2.10 Provide kerbside spaces for car-sharing in response to community demand, focusing on areas with low residential parking provision	Engineering, Strategy and Assets	Corp Plan Community and stakeholder input
2.2.11 Complete the development of the Public Transport Plan for the City of Charles Sturt	Engineering, Strategy and Assets	Stakeholder input
2.2.12 Continue to advocate to the Department of Planning, Transport and Infrastructure for public transport improvements	Engineering, Strategy and Assets	Stakeholder Input

2.3 Adapting to Climate Change

We will continue to:	Key Responsibility	Source
2.3.1 Implement the regional Climate Change Adaptation Plan for the Western Adelaide region, in partnership with neighbouring Councils, State and Federal agencies, and the community	Whole of Council	Corp Plan
2.3.2 Collaborate with relevant service providers to identify and reduce health impacts of climate change on vulnerable members of the community	Community Connections	Corp Plan Community and stakeholder input
2.3.3 Partner with other relevant spheres of government, the private sector and our community to ensure a coordinated response to climate change	Waste + Sustainability	Corp Plan Community and stakeholder input
2.3.4 Address climate change impacts on community and environmental health issues across Council's strategic plans	Whole of Council	Corp Plan
2.3.5 Continue to investigate the potential benefits and opportunities to trial different asphalt treatments to reduce urban heat	Engineering, Strategy and Assets	Community and stakeholder input

By 2020:	Key Responsibility	Source
2.3.6 Implement key recommendations from the regional Climate Change Adaptation Plan, in collaboration with neighbouring Councils and the State and Federal Governments	Office of the General Manager – Asset Management Services	Corp Plan
2.3.7 Identify trigger points for climate change action and adaptive responses, implemented based on levels of climate change experienced over time	Waste + Sustainability	Community and stakeholder input
2.3.8 Deliver a program of community education about the impacts of climate change in Western Adelaide, in partnership with neighbouring Councils	Waste + Sustainability	Corp Plan Community and stakeholder input
2.3.9 Encourage suitable low maintenance trees in large pots for residential gardens as part of the Easy Garden Program's increased greening approach, where appropriate	Community Connections	New action

Our Environment

The City of Charles Sturt is an urban environment with over 44,000 households and 8,000 businesses. It also includes 11.5kms of coastline and 20km of creek lines. Our underground aquifers also form part of the system to store treated stormwater, which is providing a source of recycled water to our community through the Water Proofing the West initiative. Open space owned by Council includes over 285 hectares of parks and reserves and 59 hectares of sports grounds.

Our area is also home to local indigenous and native species of plants, particularly along the coastline. These species are vulnerable to damage from the introduction of exotic and pest plants and animals from overseas and other parts of Australia, as well as weed encroachment and nutrient loads caused by the substantially urban nature of our area.

Council uses native plants extensively in formal and informal landscapes, in our parks and reserves. In recent years, Council has established a new biodiversity team of field staff that are trained and dedicated to maintain our biodiversity areas, in collaboration with volunteers including local dune care groups. Council also employs staff with specialist wetland maintenance skills.

Our Council also manages the legacy of former land uses that have, in some cases, resulted in site contamination that requires assessment, remediation and management.

This theme covers the above issues, and recognises the essential contribution from trees and open spaces to our community's wellbeing and the liveability of our city, including for cooling and shading and for the habitat they provide for birds and fauna. The role of volunteers is touched on within this theme, and also references as part of the 'Our Community' theme.

Each and every building and home uses water and energy, and makes use of services to ensure its waste and recycling is managed effectively - Council itself owns over 200 buildings. While household recycling is essential to keeping resources out of landfill, preventing litter in our natural environment, including waterways is vital for the health of our plants and animals – all of us have a part to play when it comes to avoiding and reducing waste and litter.

As part of each annual budget and long term financial and asset management planning processes, Council sets out its program to maintain and upgrade Council-owned buildings to preserve their value and condition and ensure they meet our community's needs. As part of this process, opportunities are identified to improve energy and water efficiency of these built assets, to improve both their environmental and economic efficiency.

3.1 Alternative Energy and Water Sources

We will continue to:	Key Responsibility	Source
3.1.1 Implement and continually improve our stormwater harvesting for use on public open space and to reduce flood risk	Water Assets Water Business	Corp Plan Community and stakeholder input
3.1.2 Promote the collection and reuse of stormwater on private land in areas not covered, or planned to be covered, by the stormwater harvesting catchments	Planning and Development Water Assets	Corp Plan
3.1.3 Identify and engage with potential commercial users of recycled water as feasible	Water Business	Community and stakeholder input
3.1.4 Educate the community about access to and benefits of recycled water	Water Assets	Community and stakeholder input
3.1.5 Track and progressively increase renewable energy generation at Council owned premises	Property Services	Corp Plan Community and stakeholder input
3.1.6 Identify opportunities to assist community and not for profit organisations wishing to reduce their energy and water use	Property Services Waste + Sustainability	Community and stakeholder input
3.1.7 Advocate for State and Federal Governments to provide financial incentives for renewable energy	Waste + Sustainability	Community and stakeholder input
3.1.8 Determine and clearly communicate with our community about the role of Council in promoting alternative and sustainable energy sources.	Waste + Sustainability	Community and stakeholder input

By 2020:	Key Responsibility	Source
3.1.9 Facilitate community access to information about renewable energy and water sources, including possible establishment of a demonstration centre	Water Assets Waste + Sustainability	Community and stakeholder input

3.2 Energy and Water Efficiency

We will continue to:	Key Responsibility	Source
3.2.1 Encourage and support community centres, sporting and community clubs to become more energy and water efficient	Open Space, Recreation and Property	Corp Plan Community and stakeholder input
3.2.2 Implement Council's 'Green Buildings Program' to identify and implement energy and water efficiency improvements in Council buildings	Open Space, Recreation and Property	Community and stakeholder input
3.2.3 Implement the Water and Irrigation Strategy in accordance with the Code of Practice for Irrigated Public Open Space	Open Space, Recreation and Property	Corp Plan
3.2.4 Implement design solutions that improve the efficiency of water and energy use on public open space and other infrastructure	Open Space, Recreation and Property	Community and stakeholder input
3.2.5 Work with other Councils and SA Power Networks to accelerate the transition to energy efficient street lighting	Engineering Strategy and Assets	Corp Plan Community and stakeholder input
3.2.6 Use our libraries and community centres to publicly showcase practical and affordable eco-design	Library Services Community Connections	Corp Plan Community and stakeholder input
3.2.7 Educate our community about green building practices	Waste + Sustainability Planning and Development	Corp Plan Community and stakeholder input
3.2.8 Apply our energy use data to target capital projects that improve Council's energy efficiency	Waste + Sustainability	Community and stakeholder input
3.2.9 Identify and promote financial incentives that help residents and businesses reduce their energy and water use	Waste + Sustainability	Community and stakeholder input

By 2020:	Key Responsibility	Source
3.2.10 Provide and promote programs that assist low income households to reduce their water and energy bills	Community Connections Waste + Sustainability	Community and stakeholder input
3.2.11 Deliver the community grants program to assist community and sporting clubs to become more energy and water efficient	Waste + Sustainability	Community and stakeholder input
3.2.12 Undertake a cost benefit analysis on the benefits of Council Green Power purchase, versus increased investment in alternative approaches such as energy efficiency	Waste + Sustainability	Community and stakeholder input
3.2.13 Work with other councils and SA Power Networks to investigate smart street lighting options to maximise energy efficiency and contribute to other benefits	Engineering Strategy and Assets	New action

3.3 Waste and recycling

We will continue to:	Key Responsibility	Source
3.3.1 Educate the community to improve their recycling efforts and encourage the recycling of food waste, including residents living in flats and apartments	Waste + Sustainability	Corp Plan Community and stakeholder input
3.3.2 Provide access to recycling services for electrical and electronic wastes	Field Services (via the Beverley Recycling and Waste Centre)	Corp Plan Community and stakeholder input
3.3.3 Implement Council's 'Illegal Dumping Strategy', with an emphasis on prevention, community education, enforcement and monitoring (including a focus on local hotspots)	Public Health and Safety	Community and stakeholder input
3.3.4 Work with local businesses, including fast food outlets, to prevent littering, and undertake appropriate community education and enforcement	Public Health and Safety	Community and stakeholder input
3.3.5 Collaborate with local business precincts to help them reduce costs and improve effectiveness of their waste and recycling services (priority – precincts such as Henley Square)	Waste + Sustainability	Community and stakeholder input
3.3.6 Increase the use of recycled materials in Council construction projects, for example recycled asphalt, plastic, glass and tyres	Engineering Strategy and Assets Open Space, Recreation and Property Field Services	Community and stakeholder input
3.3.7 Work with new technologies to communicate about waste and recycling, including the LGA My Local Services mobile app and to augment traditional paper-based forms	Marketing and Communications	Corp Plan Community and stakeholder input
3.3.8 Provide regular feedback to the community and Council on recycling performance to provide a focus for improvement	Waste + Sustainability	Corp Plan Community and stakeholder input
3.3.9 Identify key audiences and areas for focus, to reduce contamination of recycling and organics bins	Waste + Sustainability	Corp Plan Community and stakeholder input
3.3.10 Assess all new developments, including medium to higher density developments, to ensure equitable access to waste and recycling services for future residents	Waste + Sustainability Planning and Development	Corp Plan Community and stakeholder input
3.3.11 Work with schools to improve their recycling practices	Waste + Sustainability	Community and stakeholder input

By 2020:	Key Responsibility	Source
3.3.12 Continually improve cost effectiveness of waste and recycling services to the community, including in partnership with other Councils	Waste + Sustainability	Corp Plan Community and stakeholder input
3.3.13 Identify suitable locations to trial public place recycling and smart bin technology, and use trial results to effectively expand this	Waste + Sustainability	Community and stakeholder input
3.3.14 Model and encourage the uptake of best practice recycling and waste avoidance at all Council run events	Waste + Sustainability	Community and stakeholder input
3.3.15 Undertake a major review of Council's kerbside waste and recycling and hard waste services, to inform service improvements prior to tendering for new service contracts	Waste + Sustainability	Corp Plan Community and stakeholder input
3.3.16 Investigate options to reduce single use plastics on council land and facilities and to encourage participation of businesses and schools	Waste + Sustainability	New action
3.3.17 Investigate options to strengthen the environmental sustainability requirements of Council's Procurement Policy to include the purchase of materials with Australian recycled content	Waste + Sustainability	New action
3.3.18 Lobby and support Federal and State Government to implement the recyclable, reusable and compostable packaging target	Waste + Sustainability	New action

3.4 Trees and landscapes

We will continue to:	Key Responsibility	Source
3.4.1 Deliver on and expand the 'Trees for the Future' program to provide larger trees for habitat and shade, and reduce heat island impacts	Open Space, Recreation and Property	Corp Plan Community and stakeholder input
3.4.2 Prioritise the protection of trees in the urban landscape, including in particular our significant and regulated trees	Open Space, Recreation and Property	Corp Plan Community and stakeholder input
3.4.3 Work with developers to determine suitable Water Sensitive Urban Design (WSUD) and other treatments to provide a sustainable source of water for streetscapes	Open Space, Recreation and Property	Corp Plan Community and stakeholder input
3.4.4 Encourage the opportunity for high quality walkable street environments by minimising multiple or wider driveways and maximising space for trees in the streetscape.	Engineering, Strategy and Assets Open Space, Recreation and Property Planning and Development	Community and stakeholder input
3.4.5 Increase opportunities for community participation in street tree and biodiversity management, including volunteering opportunities in dunes, River Torrens Linear Park and parks	Open Space, Recreation and Property	Corp Plan Community and stakeholder input
3.4.6 Support community activities that foster community wellbeing and the local production of healthy food	Community Connections Open Space, Recreation and Property	Corp Plan Community and stakeholder input
3.4.7 Maintain and continually improve Council's Tree and Streetscape Policy, and the corresponding Tree and Streetscape Management Plan.	Open Space, Recreation and Property	Community and stakeholder input
3.4.8 Support residents to appropriately maintain significant trees via Heritage Conservation Grants Program and promote the Program	Urban Projects Open Space, Recreation and Property	Corp Plan
3.4.9 Educate the community about the importance of urban trees and their protection	Open Space, Recreation and Property	Community and stakeholder input
3.4.10 Support and encourage urban beekeeping by identifying appropriate areas and protocols to attract bees and pollinators, to maintain biodiversity and productivity in edible gardens	Open Space, Recreation and Property	Corp Plan Community and stakeholder input
3.4.11 Create and take up opportunities to retain and re-establish large gum trees (Eucalypt species) to address canopy and habitat loss	Open Space, Recreation and Property	Community and Stakeholder input

By 2020:	Key Responsibility	Source
3.4.12 Develop guidelines on edible food plantings in appropriate public spaces	Open Space, Recreation and Property	Corp Plan Community and stakeholder input
3.4.13 Develop and implement programs and projects for edible food plantings in public spaces	Open Space, Recreation and Property	New action
3.4.14 Develop and implement a Tree Canopy Cover Strategy for the City of Charles Sturt	Open Space, Recreation and Property	New action

3.5 Open Space

We will continue to:	Key Responsibility	Source
3.5.1 Incorporate Natureplay spaces in public spaces and reserves, in line with Council's Playspace Policy	Open Space, Recreation and Property	Community and stakeholder input
3.5.2 Expand the use of carefully selected local indigenous and native plants in public spaces, including in formal landscapes	Open Space, Recreation and Property	Community and stakeholder input
3.5.3 Retain vegetation, including large logs and dead trees where appropriate, to improve habitat opportunities in open space areas, and create artificial habitats	Open Space, Recreation and Property	Corp Plan Community and stakeholder input
3.5.4 Conserve, monitor and protect sites of biodiversity significance	Open Space, Recreation and Property	Corp Plan Community and stakeholder input
3.5.5 Advocate for the State Government to maintain our sandy beaches for their community, health and environmental benefits, and to help protect adjacent assets	Open Space, Recreation and Property	Community and stakeholder input
3.5.6 Implement the Open Space Strategy, for strategic direction for provision and upgrade of green spaces to meet community needs	Open Space, Recreation and Property	Corp Plan Community and stakeholder input
3.5.7 Update and implement management plans for Council's wetlands and biodiversity areas, addressing conservation, weed and pest management, ongoing maintenance and working with volunteers	Open Space, Recreation and Property	Corp Plan Community and stakeholder input

By 2020:	Key Responsibility	Source
3.5.8 Implement landscape improvements that maximise the potential of biodiversity corridors, such as linear parks, coastal reserves and transport corridors	Open Space, Recreation and Property	Community and stakeholder input
3.5.9 Identify suitable locations, trial and showcase the establishment of parks or verges with edible plantings, in consultation with neighbouring landholders	Open Space, Recreation and Property	Community and stakeholder input

3.6 Pollution and contamination

We will continue to:	Key Responsibility	Source
3.6.1 Review, maintain and implement Council's Contaminated Sites Policy.	Open Space, Recreation and Property	Community and stakeholder input
3.6.2 Work with the EPA to effectively communicate with the public about contaminated soils, sites and groundwater within the City of Charles Sturt	Open Space, Recreation and Property Public Health and Safety	Community and stakeholder input
3.6.3 Undertake a regulatory role in the education, encouragement and enforcement of stormwater pollution prevention and littering	Public Health and Safety	Corp Plan Community and stakeholder input
3.6.4 Promote the benefits of Council's efforts to protect water quality, and improve quality of water discharged to Gulf St Vincent	Water Assets Marketing and Communications	Corp Plan Community and stakeholder input
3.6.5 Work with the Adelaide and Mount Lofty Ranges NRM Board and the City of West Torrens to seek funding to undertake the works for Stage 3 of the Breakout Creek wetland	Open Space, Recreation and Property	Community and stakeholder input
3.6.6 Work with developers and other agencies to reduce impacts of construction activities on nearby residents and the environment	Public Health and Safety	Corp Plan Community and stakeholder input
3.6.7 Educate the community to pick up after their dogs in public spaces	Public Health and Safety Open Space, Recreation and Property	Corp Plan Community and stakeholder input
3.6.8 Identify and implement initiatives that aim to reduce the incidence of litter, consistent with Council's Illegal Dumping Strategy.	Public Health and Safety	Corp Plan Community and stakeholder input
3.6.9 Use the 'educate, encourage and enforce' principles with landholders and residents to ensure properties are maintained in a sanitary condition.	Public Health and Safety	Community and stakeholder input
3.6.10 Identify and implement treatments to reduce the impact of stormwater pollution on the coastal environment	Engineering, Strategy and Assets	Community and stakeholder input
3.6.11 Trial and implement low chemical weed treatments as part of an Integrated Pest and Weed Management Program	Open Space, Recreation and Property	Community and stakeholder input
3.6.12 Work with the State Government and other Councils to better communicate water quality issues that affect coastal, river and wetland areas, and as part of the River Torrens Recovery Project	Open Space, Recreation and Property Environmental Health	Corp Plan Community and stakeholder input
3.6.13 Educate and encourage residents to use wood stoves efficiently, including suitable wood for burning	Environmental Health	Community and stakeholder input

By 2020:	Key Responsibility	Source
3.6.14 Work with State agencies and research institutions to implement best practice and newly emerging solutions to soil and groundwater contamination as opportunities	Open Space, Recreation and Property	Community and stakeholder input
3.6.15 Investigate opportunities to improve littering prevention education	Waste + Sustainability	New action

Our Economy

The City of Charles Sturt has many residents who live and work in the local area that has 42,000 jobs with health care and social assistance, retail, construction and manufacturing amongst the biggest employers. The Western Adelaide region is a significant contributor to the state economy with 22.5% of the State's total employment.

Local businesses can make a big difference to a local area. They can create a sense of community and a place for gathering and help reduce an individual's carbon footprint when we get there on foot or by bicycle.

Businesses can contribute to environmental sustainability through the types of goods and services they produce and use and how they produce them. This can reduce the energy and water use of a business, help save money and provide environmental benefits. These many benefits guide this theme's focus on local businesses and the role of Council as facilitator in informing our community of these benefits.

4.1 Local Economy

We will continue to:	Key Responsibility	Source
4.1.1 Investigate and promote local loyalty programs to encourage community use and support of local shops	Urban Projects	Community and stakeholder input

By 2020:	Key Responsibility	Source
4.1.2 Investigate opportunities to promote and recognise local businesses with an environmental or sustainability focus	Waste + Sustainability	Corp Plan Community and stakeholder input
4.1.3 Identify funding sources for local businesses that assist them to implement energy, water and waste reduction projects	Waste + Sustainability Urban Projects	Community and stakeholder input
4.1.4 Identify and promote opportunities for local businesses to be part of a circular economy and increase their sustainability through reduced inputs	Urban Projects	New action

Our Leadership

This theme addresses the way in which Council communicates its own environmental impacts and achievements. Our actions will be measured, managed, appropriately benchmarked and made transparent to our community.

5.1 Council Corporate Practices

We will continue to:	Key Responsibility	Source
5.1.1 Educate and support staff to incorporate environmental factors in decision making	Leadership Team Waste + Sustainability	Corp Plan
5.1.2 Promote and facilitate alternatives to car use for travel to work and meetings for staff, elected members and council visitors	Open Space, Recreation and Property	Community and stakeholder input
5.1.3 Provide high quality information, training and support for Customer Contact staff, to support their critical 'first response' role in providing environmental information	Customer Contact Waste + Sustainability	Corp Plan Community and stakeholder input
5.1.4 Make choices in vehicles and plant that reduce our carbon footprint	GM Corporate Services	Community and stakeholder input
5.1.5 Progressively increase Council's use of electronic communications as a means to minimise paper use	Information Services Customer Contact	Community and stakeholder input
5.1.6 Continue to investigate options to strengthen organisational commitment to sustainability across all Business Units	Waste + Sustainability	Corp Plan Community and stakeholder input
5.1.7 Implement and monitor decision support tools to guide staff in consideration of environmental factors	Waste + Sustainability	Community and stakeholder input

By 2020:	Key Responsibility	Source
5.1.8 Integrate environmental criteria into Council Asset Management Plans and Long Term Financial Plan	Asset Management	Corp Plan
5.1.9 Develop capacity for flexible work arrangements where consistent with business needs, and to reduce the need for private transport	People and Culture	Community and stakeholder input
5.1.10 Enhance data management capability to allow 'live tracking' of Council's energy, water, fuel and paper use	Finance Information Services, Waste + Sustainability	Community and stakeholder input
5.1.11 Include environmental opportunities and outcomes in relevant Council policies with an aim to include specific targets for water, energy and waste reduction	Leadership Team	Community and stakeholder input
5.1.12 Provide additional training to field staff where biodiversity improvements could be incorporated into day to day operations	Open Space, Recreation and Property	Community and stakeholder input
5.1.13 Quantify and minimise Council's consumption, with a focus on energy, water, fuel and paper use	All staff Waste + Sustainability	Community and stakeholder input
5.1.14 Investigate options to set specific environmental targets such as a water, waste and energy reduction target	Waste + Sustainability	New action

5.2 Reporting and communication

We will continue to:	Key Responsibility	Source
5.2.1 Collect and monitor internal data on Council's energy, water and fuel use	Waste + Sustainability Information Services	Corp Plan
5.2.2 Prepare the evidence base to support environmental decision-making, which give appropriate consideration to their environmental, social, cultural and financial outcomes	Whole of Council	Community and stakeholder input
5.2.3 Involve and support staff in the continuous improvement, reporting and communication of local environmental issues and initiatives	Senior Executive Leadership Team	Community and stakeholder input
5.2.4 Maintain a strong public presence on local environmental issues and initiatives, through Council's public website, magazine and local papers, and social media	Marketing and communications	Community and stakeholder input

By 2020:	Key Responsibility	Source
5.2.5 Develop Council's GIS systems to monitor environmental activities and map change over time (including contaminated sites, biodiversity sites, illegal dumping hot spots, urban heat island)	Information Services	Corp Plan Community and stakeholder input
5.2.6 Measure and annually report on an agreed suite of environmental indicators, including use of energy, water, fuel and paper use	Whole of Council	Corp Plan Community and stakeholder input
5.2.7 Investigate options to benchmark Council's environmental performance against a recognised international standard, such as the Global Reporting Initiative	Waste + Sustainability	Community and stakeholder input
5.2.8 Report Council's environmental performance regularly to Elected Members, residents and staff, with specific reference to the strategies and actions listed in this plan	Waste + Sustainability	Corp Plan Community and stakeholder input
5.2.9 Implement changes to Council's environmental reporting framework to allow benchmarking and live tracking against a recognised international standard	Waste + Sustainability Finance Information Services	Community and stakeholder input

Tracking our progress

A plan is only as good as its implementation.

The following Key Performance Indicators have been developed, and will be used by Council to regularly report our progress.

Strategic environmental indicators

- % canopy cover
- Total tonnes of waste produced per household (kerbside collection only)
- % recycling rate (kerbside collection only)
- Tonnes of CO₂^e produced by Council
- Megalitres of water used by Council (total)
- % of water consumption from recycled sources

Corporate environmental indicators

- Number of trees planted on Council land
- Number of understorey plants planted on Council land
- Number of trees removed
- Number of understorey plants planted in biodiversity sites
- Total fuel consumption, by fuel type (all Council plant, equipment and fleet – petrol, diesel, 2 stroke)
- Litres of fuel used by Council light (passenger) fleet vehicles per km travelled
- Kilowatt hours of electricity consumed (Council occupied sites/buildings)
- Kilowatt hours of renewable energy generated by Council
- Megalitres of water used (Council occupied sites/buildings)
- Megalitres of water used for irrigation (by Council)
- Megalitres of water used per hectare of irrigated space per irrigation day
- % of recycled water used for irrigation
- Irrigation Efficiency Index
- Megalitres of water harvested (Water Proofing the West)

Some of this information will also be referenced in Council's Annual Report. Consideration of possible targets for the above KPIs will be explored and is an action in this plan.

If you would like additional information on the implementation of this plan, please contact Council by email at council@charlessturt.sa.gov.au or by phone on (08) 84081111.

Do your bit

This plan is the result of community, staff and stakeholder input. We all have a role in the plan's implementation.

Whether you are a member of staff, an Elected Member of Council, are a stakeholder or member of our community, you are an important part of the plan and of protecting our local environment.

Help make it happen by talking about sustainability, living sustainability and connecting with your community. A healthy environment and healthy people go hand in hand and create a better future for us and future generations.

Find out more about how you can do your bit:

By email: to council@charlessturt.sa.gov.au

By phone: on 8408 1111

Through the website: www.charlessturt.sa.gov.au