



Environment Strategy 2019-2024 – Year Two Status

STRATEGIC FOCUS 1. CONSERVING OUR BIODIVERSITY

Action		Details	Responsibility	Priority	Resources	Status 30 July 2020
Invasive Flora and Fauna						
1.1	Develop and implement an annual works plan for the control of priority and declared weeds	<ul style="list-style-type: none"> Annual mapping of weed distribution Explore low impact weed control methods 	Community Services	High	A-OPEX	Ongoing: <ul style="list-style-type: none"> Control of priority environmental & declared weeds undertaken regularly
1.2	Maintain public awareness of and engagement in weed identification and control activities	<ul style="list-style-type: none"> Provide advice to private property owners when requested Work with private property owners with declared weeds to contain or eradicate infestation Deliver education and hands-on programs 	Community Services	High	A-OPEX External	Ongoing: <ul style="list-style-type: none"> Friends of Don Reserve undertake weed control Meeting with private property owners as requested Department of Justice – Community Service Order volunteers undertook 70hrs weed control work
1.3	Encourage responsible pet ownership	<ul style="list-style-type: none"> Cat management Promote on-leash dog control in Council parks and reserves as per the Dog Management Policy (includes updating signage) 	Risk Management Infrastructure & Works	High	A-OPEX	Ongoing: <ul style="list-style-type: none"> Educational brochures on responsible cat ownership have been produced and relevant information will be posted to DCC website Dogs on lead has been promoted on DCC website and Facebook page. An education program has been developed highlighting requirements for responsible dog ownership and will be delivered to community groups in collaboration with the Devonport Dogs Home
1.4	Work with state agencies and relevant partners to plan and manage the control of stray and feral animals	<ul style="list-style-type: none"> Work with DPIPW / Cradle Coast NRM to implement the Tasmanian Cat Management Plan 	Risk Management	High	A-OPEX	Ongoing: <ul style="list-style-type: none"> Cradle Coast Councils are undertaking a review of the Cat Management Act and the possibility of implementing a Cat Management Strategy specific to the region

Action		Details	Responsibility	Priority	Resources	Status 30 July 2020
1.5	Report sightings of introduced species to DPIPWWE	<ul style="list-style-type: none"> Assist DPIPWWE to raise community awareness and reporting of introduced species Where required manage potential impacts in consultation with DPIPWWE Includes threatening pathogens 	Risk Management	High	A-OPEX	Ongoing: <ul style="list-style-type: none"> The Compliance Officer works closely with NRM to assist in identification and eradication strategies
1.6	Target identified priority weeds on Council roads as part of the roadside maintenance weed spraying program	<ul style="list-style-type: none"> On non-Council roads, advise the property owner of the priority weeds as required 	Infrastructure & Works Community Services	Medium	F-OPEX	Ongoing: <ul style="list-style-type: none"> Contractors engaged regularly to control roadside priority weeds.
1.7	Increase the extent of hygiene practices into DCC contract process, operations, and activities on Council land to minimise the risk of weed spread into new or sensitive areas	<ul style="list-style-type: none"> May require wash down facilities in strategic locations Determine areas considered 'sensitive' 	Infrastructure & Works Community Services	Medium	A-OPEX F-CAPEX	Yet to commence
Biodiversity Health						
1.8	Develop a Master Plan for the Kelcey Tier Greenbelt	Considers natural, social, recreational, and cultural values	Community Services	High	A-OPEX	Complete: <ul style="list-style-type: none"> Master Plan complete July 2019, available on Council's website
1.9	Undertake revegetation where required to support biodiversity	<ul style="list-style-type: none"> Use local native species Encourage development of flora and fauna corridors Consider use of local native species on nature strips and in parks & reserves in accordance with Council policy 	Community Services Infrastructure & Works	High	A-OPEX External	Ongoing: Native species planted: <ul style="list-style-type: none"> Don River – 450 Don River / Gun Club - 450 Figure of Eight Creek – 300 Shipwreck Beach – 150 The Bluff – 300 Mary Binks Wetland – 100 Surrey St – 100
1.10	Manage known threatened species populations to best-practice standards	For instance, continue to manage Clayton Drive Reserve to increase habitat health for the translocated Central North Burrowing Crayfish	Infrastructure & Works Community Services	High	A-OPEX	Ongoing: <ul style="list-style-type: none"> Squibbs Road Translocation of <i>Engaeus granulatus</i> to offset area of Clayton Rd Reserve under the EPBC Act Council have received a grant of \$18,690 under the Department of Industry, Innovation and Science - Communities Environment Program to build and install nest boxes for the endangered Swift Parrot,

Action		Details	Responsibility	Priority	Resources	Status 30 July 2020
						in the Kelcey Tier Greenbelt
1.11	Encourage community awareness of and involvement in conservation activities	<ul style="list-style-type: none"> Support volunteer and school participation Deliver community events celebrating biodiversity e.g. National Tree Day, Clean up Australia Day, Biodiversity month, Bioblitz Develop or review relevant promotional material, consider using digital platforms 	Community Services	High	A-OPEX External	Ongoing: <ul style="list-style-type: none"> 4 community events delivered with 277 participants Up to 12 Friends of Don Reserve met to undertake weed control or plant native plants for a total of 146 hours. Established a new Wildcare group - Friends of Devonport Reserves - to improve community awareness of biodiversity in Devonport Reserves. Up to 14 people have attended events contributing 50 hours.
1.12	Address through compliance, incentives, or education: <ul style="list-style-type: none"> illegal dumping of (garden) waste removal/degradation of native vegetation 	Includes: <ul style="list-style-type: none"> Planting of non- native species in reserves Planting environmental weeds in gardens 	Risk Management Community Services	High	A-OPEX	Ongoing: <ul style="list-style-type: none"> Surveillance cameras are being utilised to detect illegal removal of trees and dumping There has been a 67% reduction in illegal dumping since 2016/17 due to installation of security cameras and installation of deterrent signage in known hot spots
1.13	Manage bushfire hazard reduction burns with consideration of ecological priorities	As outlined in the Don Reserve and Kelcey Tier Greenbelt Bushfire Management Plans	Infrastructure & Works Community Services	High	A-OPEX External	Ongoing: <ul style="list-style-type: none"> Firebreak maintenance undertaken annually
1.14	Monitor priority species and habitat	<ul style="list-style-type: none"> Record in database linked to Council's GIS Consider reporting on city wide ecological health every 10 years 	Community Services	Medium	F-OPEX External	Yet to commence

Targets:

Target	Status 30 July 2020								
The area of revegetation is increased by 100% by 2024 from 2018-19 levels	<table border="1"> <thead> <tr> <th>Year</th> <th>Ha revegetated</th> </tr> </thead> <tbody> <tr> <td>2018-19</td> <td>4</td> </tr> <tr> <td>2019-20</td> <td>1</td> </tr> <tr> <td>% change form 2018-19</td> <td>25%</td> </tr> </tbody> </table>	Year	Ha revegetated	2018-19	4	2019-20	1	% change form 2018-19	25%
Year	Ha revegetated								
2018-19	4								
2019-20	1								
% change form 2018-19	25%								

A 25% increase in community participation by 2024 from 2018-19 levels	Year	Community members participated	
	2018-19	179	
	2019-20	303	
	% change		
Increase in the extent of hygiene practices of Council and integration into contracts	Yet to commence		
Decrease in reports of illegal dumping of garden waste / clearing native vegetation by 2024 from 2018-19	Year	Number reports - garden waste dumped	Number reports - illegal dumping of waste
	2018-19	0	14
	2019-20	6	11
	% change	600%	-21.4%

STRATEGIC FOCUS 2. HEALTHY WATERWAYS AND COASTS

Action		Details	Responsibility	Priority	Resources	Status 30 July 2020
2.1	Revegetate and /or improve health of riparian zones	<ul style="list-style-type: none"> Improves water quality and aquatic ecosystem health Reduces stream bank erosion and sedimentation Use local native species 	Community Services	High	F-OPEX External	Ongoing: <ul style="list-style-type: none"> As per Action 1.9
2.2	Engage volunteers in activities to protect our waterways and coasts	Hands-on and education projects	Community Services	High	A-OPEX External	Ongoing: <ul style="list-style-type: none"> 100 students from 2 schools (Miandetta School & Don College) participated in revegetation projects 120 students involved in the Don Reserve BioBlitz
2.3	Progressively extend installation of gross pollutants traps across the stormwater system	High volume stormwater drains to have gross pollutant traps installed with their effectiveness monitored	Infrastructure & Works	High	A-OPEX F-CAPEX	Ongoing
2.4	Integrate Water Sensitive Urban Design into new Council projects and developments where possible	Design that filters pollution from stormwater runoff	Infrastructure & Works	High	A-OPEX F-OPEX	Yet to commence

2.5	Unauthorised activity on beaches / coastline – advocate for improved understanding of the issue's significance and develop appropriate responses	<ul style="list-style-type: none"> • May require a combination of access restriction, enforcement, and community education approaches • Will require multi- stakeholder approach 	Community Services	Low	A-OPEX External	In progress <ul style="list-style-type: none"> • Due to unauthorized access to sensitive coastline and beach at Tea tree Lane large rocks were placed to stop vehicles • Rocks also placed at Don Heads off Coles Beach Road to stop unauthorized access to a sensitive area
-----	--	--	--------------------	-----	-----------------	---

Targets:

Targets	Status 30 July 2020								
The area of rehabilitation work in riparian zones is increased by 100% by 2024 from 2018-19 levels	<table border="1"> <thead> <tr> <th>Year</th> <th>Ha rehabilitation riparian zones</th> </tr> </thead> <tbody> <tr> <td>2018-19</td> <td>4</td> </tr> <tr> <td>2019-20</td> <td>1</td> </tr> <tr> <td>% change</td> <td>25</td> </tr> </tbody> </table>	Year	Ha rehabilitation riparian zones	2018-19	4	2019-20	1	% change	25
Year	Ha rehabilitation riparian zones								
2018-19	4								
2019-20	1								
% change	25								
A 25% increase in community participation by 2024 from 2018-2019 levels	<table border="1"> <thead> <tr> <th>Year</th> <th>Community members participated</th> </tr> </thead> <tbody> <tr> <td>2018-19</td> <td>80</td> </tr> <tr> <td>2019-20</td> <td>220</td> </tr> <tr> <td>% change</td> <td>175%</td> </tr> </tbody> </table>	Year	Community members participated	2018-19	80	2019-20	220	% change	175%
Year	Community members participated								
2018-19	80								
2019-20	220								
% change	175%								
No evidence of disturbance to shorebird breeding sites	No evidence reported								

STRATEGIC FOCUS 3. LIVING LIGHTLY

Action	Details	Responsibility	Priority	Resources	Status 30 July 2020
Energy Efficiency					
3.1	Progressively upgrade Council-owned building, street and park lights with energy efficient light emitting diode (LED) lights	Infrastructure & Works	High	A-OPEX F-CAPEX	Ongoing: <ul style="list-style-type: none"> • LED globes in Council's public lighting inventory have increased by 20% in the past 12 months, with LED globes comprising 45%. This is expected to increase to around 70% by 2022

Action		Details	Responsibility	Priority	Resources	Status 30 July 2020
3.2	Investigate alternative power generation opportunities	Includes solar & wind generation, use of battery storage, considering whole of life cycle, payback periods etc	Infrastructure & Works	High	F-CAPEX External	In progress: <ul style="list-style-type: none"> Feasibility of installing additional solar panels investigated however not progressed due to COVID-19 budget constraints
3.3	Continue to undertake building retrofits (general energy efficiency) for large facilities	Consider energy saving measures - heating, cooling, ventilation, and loss	Infrastructure & Works	High	F-CAPEX F-OPEX External	In progress: <ul style="list-style-type: none"> Solar powered lighting installed in new Miandetta amenities block
3.4	Investigate electric vehicle charging infrastructure	<ul style="list-style-type: none"> Include consideration of alternative power sources Promote existing local charging stations 	Infrastructure & Works	High	F-CAPEX External	In progress: <ul style="list-style-type: none"> Fast charge electric vehicle charging station to be installed 2020/2021
3.5	Promote or deliver active transport and energy efficiency community education programs	<p>For example:</p> <ul style="list-style-type: none"> Host ride to work / walk to work programs, and other active transport programs in conjunction with the Bike Strategy and Pedestrian Strategy Deliver Living Lightly Expo Promote car/ride sharing schemes as they become available 	Community Services	High	A-OPEX External	In progress: <ul style="list-style-type: none"> Funds secured to deliver commuter bike riding project Living Lightly Expo delivered Sep 2019
3.6	Reduce Council fleet emissions by transitioning to low carbon vehicles, reviewing service schedules, exploring alternative transport options	<ul style="list-style-type: none"> Based on technological improvements Investigate whole of life efficiency when purchasing fleet vehicles Explore alternative transport options to reduce number of use of fleet, e.g. electric bikes / scooters 	Infrastructure & Works	Medium	F-CAPEX	In progress: <ul style="list-style-type: none"> 2 Hybrid Toyota Rav 4's added to the fleet
3.7	Embed energy efficiency across DCC operations	Develop staff behaviour change education program	Community Services	Medium	F-OPEX	Yet to commence

Action		Details	Responsibility	Priority	Resources	Status 30 July 2020
3.8	Provide advice, advocate, or facilitate community scale enterprises that utilise alternative energy generation and consumption	Explore opportunities for shared power schemes, community shareholders, bulk buy schemes etc	Community Services Economic Development	Medium	F-OPEX External	Yet to commence
3.9	Support new community or business initiatives that utilise low carbon approaches	Strengthen business/ industry partnerships to support and encourage new and emerging low carbon opportunities, for instance, ebike hire for visitors, co/tri- generation	Community Services Economic Development	Medium	F-OPEX External	Yet to commence
3.10	Continue to support TasNetworks to roll out street light LED changeover program	Street lights are owned, maintained, and replaced under a negotiated arrangement with TasNetworks. TasNetworks plan to change all lamps to LED in the next 8-10 years.	Infrastructure & Works	Low	External	In progress: <ul style="list-style-type: none"> Tas Networks upgrading street light globes with new technology when replacements are required

Water Sensitivity

3.11	Promote water saving/ efficiency programs/ opportunities for residents	Rainwater tanks, treated use of greywater in accordance with planning/health regulations	Community Services	High	A-OPEX	Yet to commence
3.12	Install smart technology for high water-using properties / facilities	For example, sensors that irrigate sports field as required given level of dryness as opposed to regular times	Infrastructure & Works	Medium	A-OPEX F-CAPEX External	In progress: <ul style="list-style-type: none"> Modern Burial System at Mersey Vale Memorial Park contains solar-powered smart controller for irrigation
3.13	Progressively retrofit high water-using properties with water efficient fixtures and fittings	<ul style="list-style-type: none"> Includes development of tools to assist staff with purchase of water efficient fixtures, fittings, and appliances Extends to leased Council facilities 	Infrastructure & Works	Medium	A-OPEX F-CAPEX External	In progress: <ul style="list-style-type: none"> Water efficient fittings installed during upgrades

Action	Details	Responsibility	Priority	Resources	Status 30 July 2020	
Liveable City						
3.14	Implement actions in the Waste Strategy that aim to firstly reduce the amount of waste generated and secondly reduce the amount of landfill through resource recovery and recycling	<p>Some Waste Strategy actions include:</p> <ul style="list-style-type: none"> Investigate opportunities for recycling/ composting and use of biodegradable serving equipment at public events Support composting schemes, community gardens/ enterprises and nature strip edible gardens to reduce food waste Explore opportunities to segregate green waste from landfill Promote reuse through local business and charities 	Infrastructure & Works Community Services	Varied as per Waste Strategy	Varied as per Waste Strategy	<p>In progress: Achievements of the Waste Strategy reported May 2020:</p> <ul style="list-style-type: none"> Total waste to landfill in 2018/19 decreased by 5% from 2016/17 levels Waste recovery rate in 2018/19 was 18% Council have been using crushed (recycled) concrete on small construction projects and are considering options to increase sales into residential and commercial construction projects A 'Towards Zero Waste' project is underway to identify and reduce waste from activities within the parnaple centre. FOGO is being diverted from landfill and other initiatives are planned.
3.15	Implement the DCC Corporate Climate Change Adaptation Plan to improve climate resilience	For instance, regarding Sea Level Rise and Storm Tide Risk - assess risks, prioritise works and implement dune / foreshore restoration programs as required	All departments	Varied as per Adaptation Plan	Varied as per Adaptation Plan	<p>In progress:</p> <ul style="list-style-type: none"> Foreshore rehabilitation conducted along Victoria Parade Revegetation projects on Don River to reduce bank erosion and reduce sedimentation Infrastructure and trees assessed after high wind and rain events to reduce risk to the public
3.16	Ensure sustainability considerations in procurement decisions, including mandatory weightings in tenders, where appropriate	Improve procurement guidelines, processes, and tools to support staff to actively engage in sustainable procurement	Organisational Performance	Medium	A-OPEX	<p>Yet to commence:</p> <ul style="list-style-type: none"> Sustainability is currently considered, however, guidelines and tools to ensure consistency across organisation are to be developed
3.17	Identify, collect, and report on environmental data that will inform future decision-making and achievement of Strategy targets	Review Environmental Strategy targets and align with data collection and analysis capabilities where required	Community Services	Medium	F-OPEX	Yet to commence

Targets:

Targets	Status 30 July 2020				
5% of electricity used in Council's largest facilities obtained from localised renewable energy sources		2018-19	2019-20	Comments	
	Solar energy generated at Bass Strait Maritime Centre (kWh)	42,863	42,681		
	Total energy of largest facilities - Dev Rec Centre, paranaple arts Centre, Aquatic Centre ((kWh):	1,246,898	1,251,474		
	% of electricity used offset by solar	3.4%	3.4%	% likely to be higher as solar panels on Art Storage Facility are not metered separately so unable to quantify kWh generated from this source	
5% reduction in greenhouse gas emissions across Council operations by June 2024, based on June 2019 levels	Emissions conversion to be calculated once all usage data collated.				
5% reduction on 2017-2018 energy usage in Council's largest facilities by 2024	Facility	kWh 2017-18	kWh 2018-19	kWh 2019-20	Notes
	Dev Rec Centre	123,289	124,606	121,041	Increase in 18-19 due to higher usage rates. Reduction 19-20 due to decreased usage during pandemic.
	paranaple arts centre	129,965	235,841	269,771	Town Hall meter not read for four months (17/18) during renovation for arts centre. Increase during 2019/20 as operating combined facilities.
	Aquatic Centre	448,897	886,451	860,662	Increase in 18-19 a result of changes in which meters are read. Decrease in 19029 due to closure during pandemic
	Total	702,151	1,246,898	1,251,474	78.2% increase in usage in 2019-20 from 2017-18 0.36% increase in usage in 2019-20 from 2018-19
Zero increase in potable water use of Council's largest water consuming facilities by June 2024 from 2019 baseline	Year	Potable water use across all facilities (kL)			
	2018-19	131,223			
	2019-20	131,822			% change: 0.46%
Environmental sustainability is considered across all areas of Council, in decisions, project development and implementation, and reported accordingly to the community by 2024	In progress: Environmental sustainability is a consideration in capital project development, procurement and council reporting. Electricity reports can now be completed via smart metering				
Increase in number of Council-delivered, or supported 'living lightly' community education programs by 2024 from 2018-19 levels	Year	No. education programs			Comments
	2018-19	3			
	2019-20	3			COVID-19 has affected delivery of programs