

# Environment Strategy Implementation Plan

2020/21 – 2022/23



# SUMMARY OF OBJECTIVES

## CLIMATE

- Become a carbon neutral council by 2030
- Work towards becoming a carbon neutral community by 2030
- Increase tree canopy by 10% from 15.3% to 16.8% by 2030
- Install a minimum of 5 electric vehicle charging stations by 2025

## NATURE

- Increase average biodiversity score from 12.8 in 2018 to 14 by 2025
- Complete implementation of the Dune Biodiversity Action Plan by 2024
- Complete implementation of the Gully Masterplans by 2025
- Complete the Sturt Creek biodiversity corridor by 2025

## COAST

- Complete the first stage of a coastal adaptation plan by 2022
- Complete all future stages of a coastal adaptation plan by 2029
- Commence implementation of the coastal adaptation plan by 2030
- Ensure the volume of stormwater discharged to the coast does not increase due to continued urbanisation



# SUMMARY OF OBJECTIVES



## SUSTAINABLE RESOURCES

- Increase waste diverted from landfill from 59% to 70% between 2020 and 2025
- Reduce Council potable water use by 10% by 2025
- Increase the volume of stormwater diverted from the coast through installation of rain gardens and TreeNet Inlets



## WORKING TOGETHER

- Increase uptake of Green Living subsidies by 100%
- Conduct at least 30 environmental community activities per year
- Implement a Local Business Sustainability Award program by 2021
- Implement at least one circular economy initiative by 2021/22
- Increase number of environmental volunteers by 50% between 2020 and 2025





# OUR CLIMATE 2020/21

Strategy	Activities	Funding Required	Funding type	Resourcing
<b>Reduce carbon emissions from Council operations</b>	Membership: Global Covenant of Mayors for Climate & Energy Program, and Climate Council's Cities Power Partnership (ongoing annual commitment?)	\$10,000	Unfunded Opex recurrent new	0.2 FTE
	Monitor corporate greenhouse gas emissions and install: <ul style="list-style-type: none"> <li>• solar panels &amp; lighting upgrades at Brighton Civic Centre &amp; Library, Glenelg Library</li> <li>• Depot lighting upgrade</li> <li>• install battery at Glenelg North Community Centre (GNCC)</li> </ul>	\$190,000	Funded 20/21 Capex	Contractors
<b>Reduce carbon emissions from the broader community</b>	Establish a community emissions profile ✓	\$1,800	Funded 20/21 Opex recurrent	Complete
<b>Plan for an urban &amp; natural environment that is resilient to climate change</b>	Detailed mapping of Holdfast Bay tree canopy ✓	\$2,000	Funded 20/21 Opex	Complete
	Implement an Adopt-a-Tree program	\$3,000	Unfunded Opex recurrent new	0.2 FTE
<b>Support community resilience to climate change</b>	Run the Red Cross Climate Ready Communities Program	\$2,300	Funded Opex recurrent	Contractor
<b>Total 20/21</b>	<b>Opex Funded</b>	<b>\$6,100</b>		
	<b>Capex Funded</b>	<b>\$190,000</b>		
	<b>Opex Unfunded</b>	<b>\$13,000</b>		
	<b>New Resource Unfunded</b>	<b>\$40,000</b>		<b>0.4 FTE</b>



# OUR CLIMATE 2021/22

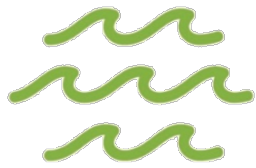
Strategy	Activities	Funding Required	Funding type	Resourcing
<b>Reduce carbon emissions from Council operations</b>	Develop a Carbon Neutral Plan 2030 for corporate & community emissions	\$50,000	Opex project	0.2 FTE & consultant
	Monitor corporate greenhouse gas emissions	\$19,000	Opex recurrent new	Consultant
<b>Reduce carbon emissions from the broader community</b>	See top item.			
<b>Plan for an urban &amp; natural environment that is resilient to climate change</b>	Governance climate risk assessment	\$10,000	Opex project	0.1 FTE & consultant
	Undertake 'plantable' area assessment for street trees	\$50,000	Opex project	0.1 FTE & consultant
<b>Support community resilience to climate change</b>	Run the Red Cross Climate Ready Communities Program	\$2,400	Funded Opex recurrent	Contractor
<b>Total 21/22</b>	<b>Opex New New Resource</b>	<b>\$129,000 \$42,000</b>		<b>0.4 FTE</b>





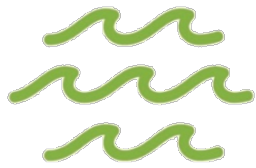
# OUR CLIMATE 2022/23

Strategy	Activities	Funding Required	Funding type	Resourcing
<b>Reduce carbon emissions from Council operations</b>	Implement high priority actions identified in Carbon Neutral Plan 2030.	\$50,000	Opex/capex new	0.2 FTE
	Develop a staged and costed fleet transition plan	\$15,000	Opex project	Consultant
	Monitor corporate greenhouse gas emissions	\$20,000	Opex recurrent new	Consultant
<b>Reduce carbon emissions from the broader community</b>	Implement a community energy program	\$10,000	Opex project	0.2 FTE
	Install two electric vehicle charging stations	\$40,000	Capex new	
<b>Plan for an urban &amp; natural environment that is resilient to climate change</b>	Council place-making, urban development and infrastructure upgrade projects will incorporate urban cooling opportunities as standard	\$10,000	Opex new	Consultant
<b>Support community resilience to climate change</b>	Run the Red Cross Climate Ready Communities Program	\$2,500	Funded Opex recurrent	Contractor
<b>Total 22/23</b>	<b>New Funding</b> <b>New Resource</b>	<b>\$145,000</b> <b>\$42,000</b>		<b>0.4 FTE</b>



# OUR COAST 2020/21

Strategy	Activities	Funding Required	Funding type	Resourcing
<b>Manage risks &amp; impacts of future sea level rise</b>	Undertake the first stage of a Coastal Adaptation Plan: a Scoping Study.	\$70,000 (\$30,000 funded; \$40,000 unfunded)	Unfunded 20/21 Opex project	Consultant
	Install three new sand bag groynes	\$250,000	Funded 20/21 Capex	Contractor
<b>Maintain &amp; improve beach &amp; dune systems</b>	Investigate design options to improve seawall resilience	\$73,000 (\$54,400 grant; \$20k Council)	Funded 20/21 Opex recurrent	Consultant
<b>Monitor, improve &amp; maintain marine water quality</b>	Install a GPT at the end of Wattle Avenue, Hove	\$500,000	Funded 20/21 Capex	Contractor
	Install up to 40 tree net inlets	\$40,000	Funded 20/21 Capex	Contractor
<b>Total 20/21</b>	<b>Opex Unfunded</b>	<b>\$40,000</b>		
	<b>Opex Funded</b>	<b>\$50,000</b>		
	<b>Capex Funded</b>	<b>\$790,000</b>		

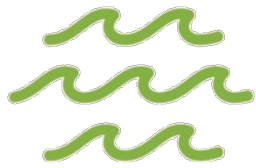


# OUR COAST 2021/22

Strategy	Activities	Funding Required	Funding type	Resourcing
<b>Manage risks &amp; impacts of future sea level rise</b>	Undertake the second stage of a Coastal Adaptation Plan: Stakeholder Engagement	\$75,000	Opex new	0.2 FTE & Consultant
<b>Maintain &amp; improve beach &amp; dune systems</b>	Upgrade one poor quality sea wall (subject to sea wall design options 20/21)	TBA	Capex new & Coast Protection Board grant	Contractors
<b>Monitor, improve &amp; maintain marine water quality</b>	Install up to 40 tree net inlets	\$40,000	Capex	Contractor
<b>Total 21/22</b>	<b>Opex New</b> <b>Capex New</b> <b>New Resource</b>	<b>\$75,000</b> <b>\$40,000</b> <b>\$21,000</b>		<b>0.2 FTE</b>







# OUR COAST 2022/23

Strategy	Activities	Funding Required	Funding type	Resourcing
<b>Manage risks &amp; impacts of future sea level rise</b>	Undertake the third stage of a Coastal Adaptation Plan: Identify Coastal Hazards	\$90,000	Opex new	0.2 FTE & consultant
<b>Maintain &amp; improve beach &amp; dune systems</b>	Upgrade one poor quality sea wall	TBA	Capex new & Coast Protection Board grant	Contractors
<b>Monitor, improve &amp; maintain marine water quality</b>	Install a GPT at the end of Pine Avenue, Seacliff	Refer Stormwater Implement Plan	Capex new	Contractor
	Install up to 40 tree net inlets	\$40,000	Capex new	Contractor
<b>Total 22/23</b>	<b>Opex New</b> <b>Capex New</b> <b>New Resource</b>	<b>\$90,000</b> <b>\$40,000</b> <b>\$21,000</b>		<b>0.2 FTE</b>





# OUR NATURE 2020/21

Strategy	Activities	Funding Required	Funding type	Resourcing
<b>Improve &amp; increase biodiversity</b>	Continue Sturt Creek greening project at Fordham Reserve with 3 new borders with 3,100 native plants.	\$65,000	Funded 20/21 Capex	Contractors
	Increase plant biodiversity via revegetation with approximately 20,000 native plants	\$40,000	Funded 20/21 Opex & capex recurrent	Contractors & volunteers
<b>Improve coastal biodiversity</b>	Dune weed control & revegetation as per Dune Biodiversity Action Plan	\$63,000 (\$6,000 Council; \$57k grant)	Funded 20/21 Opex recurrent; grant TBC	Contractors & volunteers
	Beach patrols for hooded plovers	\$40,000	Funded 20/21 Opex new project	Contractors
<b>Manage natural reserves for biodiversity</b>	<ul style="list-style-type: none"> <li>• Redraft &amp; public consultation on Gully Masterplans</li> <li>• Remove invasive trees &amp; fire hazard vegetation from Pine &amp; Gilbertson Gullies</li> <li>• Revegetation all gullies - ~4,000 native plants</li> </ul>	\$100,000	Funded 20/21 Capex	Consultants & contractors
<b>Protect our trees</b>	Plant a minimum of 500 new street trees per year	\$130,000	Funded 20/21 Opex recurrent	Contractors
	Priority list of powerline aerial bundling locations & negotiate with SAPN.	\$25,000	Unfunded Opex new	Contractor
<b>Total 20/21</b>	<b>Opex Funded</b>	<b>\$196,000</b>		
	<b>Opex Unfunded</b>	<b>\$25,000</b>		
	<b>Capex Funded</b>	<b>\$185,000</b>		



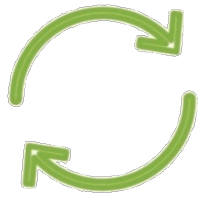
# OUR NATURE 2021/22

Strategy	Activities	Funding Required	Funding type	Resourcing
<b>Improve &amp; increase biodiversity</b>	Continue Sturt Creek greening project at Shannon Reserve	\$45,000	Capex new	0.1 FTE & contractors
	Increase plant biodiversity via revegetation with approximately 15,000 native plants	\$30,000	Opex recurrent & capex	Contractors & volunteers
	Identify biodiversity-sensitive urban design opportunities & actions, and integrate with place-making projects	\$30,000	Opex new / grant	Consultant
<b>Improve coastal biodiversity</b>	Dune weed control & revegetation as per Dune Biodiversity Action Plan	\$20,000	Opex new	Contractors & volunteers
	Beach patrols for hooded plovers	\$40,000	Opex new recurrent	Contractors
<b>Manage natural reserves for biodiversity</b>	Revegetation & weed control at all 3 gullies	\$100,000	Capex new	0.1 FTE, consultants & contractors
<b>Protect our trees</b>	Plant a minimum of 500 new street trees per year	\$135,000	Opex recurrent	Contractors
	Undertake comprehensive street tree audit	\$130,000	Opex new	0.2 FTE & contractor
<b>Total 21/22</b>	<b>Opex New</b>	<b>\$220,000</b>		
	<b>Capex New</b>	<b>\$145,000</b>		
	<b>New Resource</b>	<b>\$42,000</b>		<b>0.4 FTE</b>



# OUR NATURE 2022/23

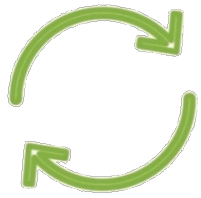
Strategy	Activities	Funding Required	Funding type	Resourcing
<b>Improve &amp; increase biodiversity</b>	Continue Sturt Creek greening project at Blackburn & Goldsworthy Reserve	\$45,000	Capex new	0.1 FTE & contractors
	Increase plant biodiversity via revegetation with approximately 10,000 native plants	\$20,000	Opex recurrent	0.1 FTE, contractors & volunteers
<b>Improve coastal biodiversity</b>	Dune weed control & revegetation as per Dune Biodiversity Action Plan	\$15,000	Opex project	Contractors
	Beach patrols for hooded plovers	\$40,000	Opex project	Contractors
<b>Manage natural reserves for biodiversity</b>	<ul style="list-style-type: none"> <li>Revegetation at natural reserves</li> <li>Weed control at all natural reserves</li> </ul>	\$85,000	Opex recurrent	Contractors
	Conduct follow up biodiversity assessment	\$17,000	Opex project	Consultant
<b>Protect our trees</b>	Plant a minimum of 500 new street trees per year	\$140,000	Opex recurrent	Contractors
	Develop Urban Forest Strategy	\$50,000	Opex project	0.2 FTE & consultant
<b>Total 22/23</b>	<b>Opex New</b> <b>Capex New</b> <b>New Resource</b>	<b>\$122,000</b> <b>\$45,000</b> <b>\$42,000</b>		<b>0.4 FTE</b>



# SUSTAINABLE RESOURCES 2020/21

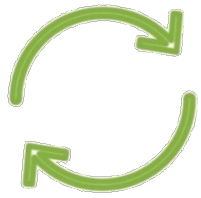
Strategy	Activities	Funding Required	Funding type	Resourcing
<b>Reduce waste to landfill</b>	Implement a weekly FOGO trial	\$175,800 (\$97,900 grant; \$77,900 Council)	Funded 20/21 Opex project	Consultants
	Building the SRWRA Materials Recovery Facility		Funded 20/21	Contractors
	Investigate 3-bin collection for Alwyndor		Funded 20/21 Opex recurrent	
<b>Improve water efficiency</b>	Implement WSUD Master Plan	\$100,000	Funded 20/21 Capex	Contractors
<b>Improve stormwater quality &amp; reuse</b>	Implement Stormwater Management Plan (as per Stormwater Implementation Plan)	\$1.1 m	Funded 20/21 Capex	Consultants & contractors
<b>Total 20/21</b>	<b>Opex Funded</b> <b>Capex Funded</b>	<b>\$77,900</b> <b>\$1,200,000</b>		





# SUSTAINABLE RESOURCES 2021/22

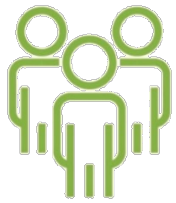
Strategy	Activities	Funding Required	Funding type	Resourcing
<b>Reduce waste to landfill</b>	Finish weekly FOGO trial & continue FOGO service	\$30,000	Grant opex project	Consultants
	Upgrade caravan park with FOGO facilities	\$5,000	Opex recurrent new	
<b>Improve water efficiency</b>	Corporate water savings plan developed and implemented.	\$15,000	Opex project	Consultants
	Continue to implement WSUD Master Plan	Refer Stormwater Implementation Plan	Capex new	Contractors
<b>Improve stormwater quality &amp; reuse</b>	Research project to trial cleaning treatment of beach-bound stormwater ponds	\$50,000	Opex project	Consultants
	Continue to implement Stormwater Management Plan	Refer Stormwater Implementation Plan	Capex new	Consultants & contractors
<b>Keep streets, beaches and waterways clean</b>	Install new butt bins at key new locations	\$5,000	Capex new	
<b>Total 21/22</b>	<b>Opex New</b>	<b>\$100,000</b>		
	<b>Capex New</b>	<b>\$5,000</b>		



# SUSTAINABLE RESOURCES 2022/23

Strategy	Activities	Funding Required	Funding type	Resourcing
<b>Reduce waste to landfill</b>	Upgrade community centres with FOGO facilities	\$15,000	Opex project	
	Phase out single-use plastics and packaging at major events	\$10,000	Opex project	
	Best practice sustainable waste management in kerbside collection contract		Opex recurrent	
<b>Improve water efficiency</b>	Continue to implement WSUD Master Plan	Refer Stormwater Implementation Plan	Capex new	Contractors
<b>Improve stormwater quality &amp; reuse</b>	Continue to implement Stormwater Management Plan	Refer Stormwater Implementation Plan	Capex new	Consultants & contractors
<b>Total 22/23</b>	<b>Opex New</b>	<b>\$25,000</b>		



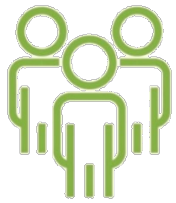


# WORKING TOGETHER 2020/21

Strategy	Activities	Funding Required	Funding type	Resourcing
<b>Supporting sustainable living</b>	Community workshops, events & tours	\$5,000	Funded 20/21 Opex recurrent	
	Green Living subsidies	\$8,000	Funded 20/21 Opex recurrent	
<b>Support our community to implement environmental &amp; sustainability initiatives</b>	Greening Our Community Grants	\$20,000	Funded 20/21 Opex recurrent	
<b>Support our local businesses to implement environmental &amp; sustainability initiatives</b>	Review and strengthen the environmental sustainability and buy local criteria of the Procurement Policy		Funded 20/21 Opex recurrent	Completed
<b>Connect our community with nature &amp; cultural heritage</b>	Collaboration and consultation with Kaurna Nation	\$3,500	Funded 20/21 Opex recurrent	
	National Tree Day & Clean Up Australia Day events	\$3,000	Funded 20/21 Opex recurrent	
<b>Total 20/21</b>	<b>Opex Funded</b>	<b>\$39,500</b>		

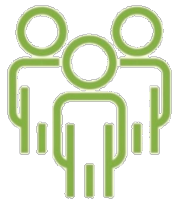






# WORKING TOGETHER 2021/22

Strategy	Activities	Funding Required	Funding type	Resourcing
<b>Supporting sustainable living</b>	Community workshops, events & tours	\$5,000	Opex existing recurrent	
	Green Living subsidies	\$8,000	Opex existing recurrent	
<b>Support our community to implement environmental &amp; sustainability initiatives</b>	Greening Our Community Grants	\$20,000	Opex existing recurrent	
<b>Support our local businesses to implement environmental &amp; sustainability initiatives</b>	Implement a local business sustainability award program	\$2,000	Opex recurrent new	
<b>Connect our community with nature &amp; cultural heritage</b>	Collaboration and consultation with Kaurua Nation	\$3,500	Opex existing recurrent	
	Install new interpretive signage in areas of natural or cultural significance	\$50,000	Capex new	Consultant
	National Tree Day & Clean Up Australia Day events	\$3,000	Opex existing recurrent	
<b>Total 21/22</b>	<b>Opex New</b> <b>Capex New</b>	<b>\$2,000</b> <b>\$50,000</b>		



# WORKING TOGETHER 2022/23

Strategy	Activities	Funding Required	Funding type	Resourcing
<b>Supporting sustainable living</b>	Community workshops, events & tours	\$5,000	Opex existing recurrent	
	Green Living subsidies	\$8,000	Opex existing recurrent	
<b>Support our community to implement environmental &amp; sustainability initiatives</b>	Greening Our Community Grants	\$25,000	Opex existing recurrent	
<b>Connect our community with nature &amp; cultural heritage</b>	Collaboration and consultation with Kaurua Nation	\$3,500	Opex existing recurrent	
	Nature connection and nature play activities and resources	\$10,000	Opex new	Consultant
	National Tree Day & Clean Up Australia Day events	\$3,000	Opex existing recurrent	
<b>Total 22/23</b>	<b>Opex New</b>	<b>\$15,000</b>		

# RESOURCE SUMMARY

Year	Opex New	Capex New	FTE
2020/21	\$68,000 \$40,000		0.4 FTE
2021/22	\$536,000 \$105,000	\$240,000*	1 FTE
2022/23	\$357,000 \$105,000	\$125,000*	1 FTE

\*Stormwater works (not included) funded via Stormwater Implementation Plan

\*Rock wall upgrades (not included) subject to design and grant funding from Coast Protection Board

