

# Sustaining our City

Randwick's unique Sustaining our City Program is largely funded through an Environmental Levy. Council has delivered important environmental projects and improvements through this program over the past fourteen years.

Randwick's Sustaining our City initiative has contributed to a transformation in the way our community has responded to the important environmental issues confronting society: from coastal protection; conserving resources; reducing waste; protecting biodiversity; and community education and engagement in actions individuals can take around their home, school or workplace. Projects include:

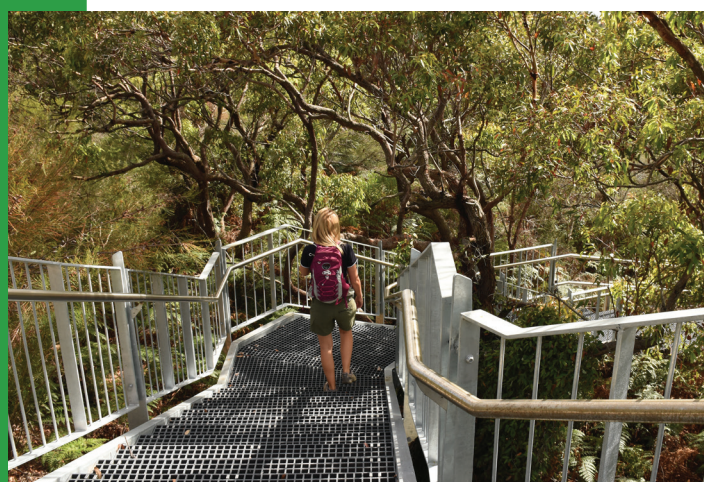
- extending our Coastal Walkway with the most recent extension being the Western Escarpment Walking Track through Malabar Headland;
- energy efficiency and conservation projects to reduce our energy costs and overall consumption such as installing 200 kilowatts of renewable energy on Council and community buildings;



- treating and re-using stormwater run-off other waste water;
- supporting sustainable transportation choices for example through the roll-out of the first public electric vehicle charging stations across the eastern suburbs;
- increasing community skills and capacity in being more sustainable at work, home and school through our Energy Future website and Solar My School program;
- free workshops and capacity building for residents, businesses and schools at our sustainability education 'hub' located at Randwick Community Centre and at Barrett House, the 3-Council sustainability demonstration house project;
- educating and supporting initiatives to avoid and reduce waste;
- increasing composting and food saving initiatives for residents;
- support for community food gardens including in schools; and
- restoring and protecting native flora and fauna.

Funding for the Sustaining our City Program is via the Environmental Levy which was introduced in 2004. Since then and with the support of the community and Council, the levy has been extended twice – most recently in 2014.

In October 2018, the Council resolved to commence community consultations activities aimed at informing and gauging support for a continuation of the Environmental Levy. The following table summarises the scope of the Sustaining Our City delivery program should the Environmental Levy be continued for a further five years.



# Sustaining our City Program

Five-year (2019-2024) continuation of the Environmental Levy as linked to the Delivery Program

PROPOSED PROJECTS		PROPOSED FUNDING \$
COASTAL	<b>Coastal walkway</b> - Working towards a continuous Coastal Walkway from Clovelly to La Perouse. Funds will help design and implement walkways at South Coogee, Lurline Bay, Randwick Golf Course, the Coast Golf Course and St Michael's Golf Course.	\$9m
	<b>Gross Pollutant Traps (GPTs)</b> - Installation of five additional pollutant traps to increase water quality at local beaches.	
WATER	<b>Saving water</b> - Future proofing wastewater re-use program at Maroubra Beach, Des Renford Leisure Centre, Purcell Park Matraville, Nagle Park Maroubra and Pioneers Park Malabar.	\$6m
ENERGY	<b>Energy efficiency program</b> - Energy efficiency program for Council building upgrades, community renewable energy, smart monitoring and carbon offset program.	\$2.36m
GREENHOUSE	<b>Solar power, composting, electric vehicles and cycleways</b> - Installation of solar panels on five Council buildings, increased rates of composting, installation of public electric vehicle charging locations and funding for improved cycleways.	\$3.1m
BIODIVERSITY	<b>Green Corridor program</b> - Planting more native trees in streets and parks, continuing Native Havens program and additional flora and fauna monitoring and WIRES relocation and interpretive centre.	\$1.12m
FOOD	<b>Sustainable food</b> - Funding support for eight community gardens and 22 school food gardens	\$500k
EDUCATION	<b>Sustainability events and workshops</b> - Continuation of Council's Eco-Living Expo, Earth Hour, World Environment Day, Best Gift Markets, NOX Night Sculpture Walk, Marine and Coastal School Holiday Activities, school grants, Eco Heroes program, sustainable schools exchange and workshops at Randwick Community Centre, Barrett House and libraries.	\$2.2m
OTHER	<b>Reducing waste and consumption of natural resources</b> - Continuation of Council's Compost Revolution, Switch your thinking on Plastics and other Green events.	\$620k

LINK TO THE DELIVERY PROGRAM	RESPONSIBILITY	MEASURE/S
5a.2 Continue work towards creating a continuous Coastal Walkway from Clovelly to Botany Bay as detailed in the Recreation Needs Study.	Manager Infrastructure Services Manager Technical Services Manager Sustainability	PFP04 Level of satisfaction with recreation and lifestyle opportunities.
6a.2 Conduct programmed infrastructure and asset maintenance management in accordance with adopted service levels. 10e.1 Develop and implement projects to improve water conservation and efficiency across Council and the community.	Manager Infrastructure Services Manager Technical Services Manager Sustainability	LAOE08 Water quality of beaches – percentage of beaches with a swimming suitability grade of good to very good.
10e.1 Develop and implement projects to improve water conservation and efficiency across Council and the community.	Manager Sustainability Manager Infrastructure Services	LAOE01 Mains water consumed by the Council's operations per day on average.
10f.1 Develop and implement projects to improve energy conservation and efficiency across Council and the Community.	Manager Sustainability	LAOE03 Energy (electricity and gas) consumed by the Council's top 10 consuming sites per annum. LAOE05 Electricity consumed by residential properties in the Randwick City LGA - per household per year.
10f.2 Investigate and implement renewable energy projects across Randwick City. 9a.1 Review, improve and implement facilities for cyclists as detailed within the Randwick Bicycle Plan.	Manager Integrated Transport Manager Sustainability	LAOE02 Net tonnes of greenhouse emissions from the Council's operation. LAOE06 Solar energy generation exported to back to the Ausgrid network from small power systems within Randwick City - per annum (MWh). MA03 Community satisfaction with the construction of cycleways.
10c.1 Implement and monitor Randwick's regulatory responsibilities especially in relation to the enhancement of our native and indigenous flora and fauna.	Manager Sustainability	LAOE 11 Biodiversity - percentage of opens space land zoned for environmental protection. LAOE12 Percentage of tree canopy in LGA
10a.1 Develop, implement and review programs aimed at improving the City's resilience.	Manager Strategic Planning Manager Sustainability	LAOE10 Percentage of surveyed residents with a high degree of concern about the environment. SOC08 Percentage of surveyed residents that stated they feel part of their local community.
10d.3 Develop and implement community engagement programs on waste and recycling.	Manager Cultural Events and Venues Manager Community Development Manager Sustainability	OC02 Number of people that attend Council events.
10d.1 Develop and implement Council's Resource Recovery Strategy to minimise the level of waste going to landfill. 10a.3 Continue the development, implementation and review of the 3-Council collaboration project with Waverley and Woollahra Councils to reduce resource consumption across the region.	Manager Waste and Cleaning Services Manager Sustainability	LAOE09 Amount of residential waste diverted from landfill - 70% of municipal solid waste diversion by 2021. LAOE08 Water quality of beaches – percentage of beaches with a swimming suitability grade of good to very good.



# Looking after our environment

## Our outcome

– A healthy environment





The Randwick area contains a magnificent array of natural features and we have a responsibility to conserve its diversity for future generations. To do this we are committed to leading our community in environmental sustainability; responding strategically to risks to the environment; protecting our biodiversity and natural heritage; identifying ways of disposing of our waste in a sustainable manner; conserving our potable water; and reducing our greenhouse gas emissions.

## Related plans

### Energy, Greenhouse and Renewable Energy Plans

Council prioritises projects which increase efficiency in our energy use, enable Council and the community to reduce energy consumption, and increase use of renewable energy technologies based on our:

- Energy and Greenhouse Management Plan;
- Renewable Energy Master Plan;
- Climate Change Adaptation Roadmap; and
- draft Low Carbon Future Plan. This plan is part of our 3-Council Regional Environment Program with neighbouring Waverley and Woollahra Councils.

Initiatives prioritised within these strategies are funded via Randwick's Environmental Levy.

### Water Management Plan

Council continues its long term investment in stormwater, wastewater, borewater and rainwater storage, treatment and harvesting systems which now cover around two dozen of Council buildings, and most community parks and facilities.

Around 5.5 million litres of alternative water storage are now providing between 40 and 50 per cent of

Council's non-potable water requirements for irrigation, toilet flushing and non-drinking water use, reducing consumption of around 300 million litres of potable water from the mains water system each year.

Strategic frameworks supporting these initiatives include:

- Randwick's Water Savings Plan (under review); and
- Draft Water Management Plan as part of a regional water management framework for the 3-Council Regional Environment Program.

### Waste Management Strategy

Council continues toward a 75 per cent reduction target set by the NSW Government for waste disposed at landfill by 2022.

Council has reviewed its Waste Management Strategy and the 2018 Waste Management Strategy details our planning for sustainable waste outcomes up until 2030 in alignment with the NSW Government's waste targets. The updated Waste Management Strategy aims to build on our strengths and capacity to improve treatment and recovery of waste materials from the various waste streams taking in:

- bulky waste collected from the kerbside
- food waste and garden organics
- recycling from households and public places
- illegal dumping and litter
- Council's 'best practice' red-lid, yellow-lid and green-lid bins and
- Perry Street Recycling Centre.

Key programs continue to tackle 'reverse' contamination – that is the extent of organic waste material and recyclables being placed in household red-lid rubbish bins, currently comprising around 60 to 70 per cent of material placed in the bin. These programs provide opportunities for Council to assist residents to recycle correctly and place their organic materials into green-lid bins, into household compost systems and/or into specially coloured organic food waste bins in participating units and apartments across Randwick.

## Outcome 10: A healthy environment

Our natural environment will be protected, enhanced and promoted for future generations.

### Actions for Outcome 10

3 Year Delivery Program		1-Year Operational Plan actions (2018/19)
<b>10a: Council's programs and partnerships foster sustainable behavioural changes and outcomes.</b>		
<b>10a.1</b>	Develop, implement and review programs aimed at improving the City's resilience.	Deliver sustainability courses, workshops and events for the Randwick community and review outcomes.  Provide grants and other incentives for sustainability initiatives to local community including schools and residents.
<b>10a.2</b>	Expand external partnerships supporting Council's resilience initiatives e.g. UNSW MOU.	Achieve sustainability outcomes with external partners, such as local businesses and funding programs.
<b>10a.3</b>	Continue the development, implementation and review of the 3-Council collaboration project with Waverley and Woollahra Councils to reduce resource consumption across the region.	Participate in initiatives and programs conducted as part of the 3-Council collaboration to reduce resource consumption across the eastern suburbs.
<b>10b: Policies and programs are developed and implemented in response to environmental risks and their potential impacts.</b>		
<b>10b.1</b>	Develop and implement a long term resilience framework for Randwick.	Integrate strategic sustainability principles in the Community Strategic Plan.
<b>10b.2</b>	Develop and implement environmental strategies for remediation of contaminated Council/public land.	Continue ongoing remediation works at Chifley Reserve, Heffron Park and Jack Vanny Reserve.
<b>10b.3</b>	Implement recommendations contained in the NSW Government's Floodplain Development Manual and relevant flood studies carried out for Randwick City.	Complete floodplain risk management study and plan for Kensington Centennial Park Catchment.  Complete the Flood Study for the Clovelly Bay catchment.
<b>10b.4</b>	Administer and implement Council's Tree Preservation policy to preserve our urban forest.	Process tree pruning/removal applications incorporating relevant environmental risk assessments.
<b>10b.5</b>	Administer and coordinate Council's Climate Change Adaption and Mitigation Plan.	Investigate opportunities to inform the community on climate change impacts such as heatwave conditions.

3 Year Delivery Program		1-Year Operational Plan actions (2018/19)
<b>10c: Bushland, open spaces and biodiversity are protected and enhanced for future generations.</b>		
<b>10c.1</b>	Implement and monitor Randwick's regulatory responsibilities especially in relation to the enhancement of our native and indigenous flora and fauna.	<p>Implement the Bush Regeneration and Revegetation Program including threatened species management and development of green corridors.</p> <p>Implement the Biosecurity Act, Biodiversity Conservation Act and supporting SEPPs and provide advice on managing pest animals.</p>
<b>10c.2</b>	Implement annual tree planting programs in accordance with Council's Street Tree Masterplan to continue to increase our tree canopy cover across our City.	<p>Implement ongoing Annual Street Tree Planting Program, Community Street Tree Planting project, National Tree Day and Trees for Mum projects.</p> <p>Implement a Tree Canopy software to assess and monitor tree canopy in Randwick City.</p>
<b>10d: Waste is managed sustainably to ensure highest level of resource recovery.</b>		
<b>10d.1</b>	Develop and implement Council's Resource Recovery Strategy to minimise the level of waste going to landfill.	<p>Implement Council's Waste Management Strategy.</p> <p>Ensure efficient treatment of waste through use of sustainable waste technologies.</p>
<b>10d.2</b>	Implement and review actions identified in Council's Litter and Illegal Dumping Management Plan.	Prioritise and implement projects to reduce illegal dumping and littering across Randwick.
<b>10d.3</b>	Develop and implement community engagement programs on waste and recycling.	Deliver waste education programs and community engagement programs for the Randwick community.
<b>10e: A total water cycle management approach including water conservation, re-use and water quality improvements is adopted.</b>		
<b>10e.1</b>	Develop and implement projects to improve water conservation and efficiency across Council and the Community.	<p>Implement water conservation in the operation of Council's amenities.</p> <p>Increase stormwater, rainwater and wastewater harvesting opportunities within Randwick City.</p> <p>Connect Council irrigation assets to the web managed irrinet system.</p>

3 Year Delivery Program		1-Year Operational Plan actions (2018/19)
<b>10f: Energy conservation and efficiency programs are implemented.</b>		
<b>10f.1</b>	Develop and implement projects to improve energy conservation and efficiency across Council and the Community.	Implement energy saving and efficiency projects across the City.
<b>10f.2</b>	Investigate and implement renewable energy projects across Randwick City.	Prepare strategic priorities for expanding renewable energy across the City.

**Our measures for this outcome include:**

- LAOE01** Mains water consumed by the Council's operations per day on average
- LAOE02** Net tonnes of greenhouse emissions from the Council's operation
- LAOE03** Energy (electricity and gas) consumed by the Council's top 10 consuming sites per annum
- LAOE04** Household residential mains water consumption in Randwick City – per household per year
- LAOE05** Electricity consumed by residential properties in the Randwick City LGA – per household per year
- LAOE06** Solar energy generation exported back to the Ausgrid network from small power systems within Randwick City – per annum (MWh)
- LAOE07** Air Quality Index measured in the grounds of the Randwick Army Barracks – number of days the index exceeded the NSW Department of Environment and Heritage healthy index range of 0-66 per annum
- LAOE08** Water quality of beaches – percentage of beaches with a swimming suitability grade of good to very good
- LAOE09** Amount of residential waste diverted from landfill – 75 per cent of municipal solid waste diversion by 2022
- LAOE10** Percentage of surveyed residents with a high degree of concern about the environment
- LAOE11** Biodiversity – percentage of open space land zoned for environmental protection
- LAOE12** Percentage of tree canopy in LGA

