

## **8.12. Draft Environmental Sustainability Strategy 2030 - Post Consultation Report**

**AUTHOR:** Peter Massey, Environmental Services Manager

**ENDORSED BY:** Rob Emerson, Director Open Space and Environmental Services

### **ATTACHMENTS:**

1. Attachment 1 Submissions Summary Environmental Sustainability Strategy 2030 [8.12.1 - 29 pages]
2. Attachment 2 Environmental Sustainability Strategy 2030 [8.12.2 - 33 pages]

### **PURPOSE:**

The purpose of this report is to recommend adoption of the Environmental Sustainability Strategy 2030 (Attachment #2) following its public exhibition.

### **EXECUTIVE SUMMARY:**

This report provides a summary of the submissions received through the public consultation undertaken on the Draft Environmental Sustainability Strategy 2030. The consultation generated 22 submissions, some of these have been incorporated into the final version. The report provides the rationale for these amendments.

### **FINANCIAL IMPLICATIONS:**

The initiatives proposed in the Draft Environmental Sustainability Strategy align with existing work plans and budgets.

### **RECOMMENDATION:**

1. **THAT** Council notes the community feedback received during the consultation period.
2. **THAT** Council endorses the Environmental Sustainability Strategy 2030 with changes applied as outlined in this report.

## **LINK TO COMMUNITY STRATEGIC PLAN**

The relationship with the Community Strategic Plan is as follows:

1. Our Living Environment
  - 1.1 Protected and enhanced natural environment and biodiversity
  - 1.2 North Sydney is sustainable and resilient
  - 1.3 Quality urban greenspaces
2. Our Built Infrastructure
  - 2.3 Sustainable transport is encouraged
3. Our Future Planning
  - 3.3 North Sydney is smart and innovative
5. Our Civic Leadership
  - 5.1 Council leads the strategic direction of North Sydney

## **BACKGROUND**

On 24 May 2021 Council resolved to place the Draft North Sydney Environmental Sustainability Strategy 2030 on public exhibition for a minimum of 28 days, and that a report be prepared detailing the outcomes of the exhibition and any recommended amendments.

The draft strategy establishes solid baselines, communicates how we are tracking, what we expect to achieve by 2030 and how we propose to get there. In doing so it provides a structured framework to help Council and the community better express and pursue their environmental sustainability goals. Its themes and targets are also closely aligned with the Sustainable Development Goals of the United Nations 2030 Agenda for Sustainable Development, the international best practice standard for sustainability reporting.

The Draft North Sydney Environmental Sustainability Strategy 2030 was based on a comprehensive review of local, state, federal and international strategies and applied them to the North Sydney context. This review is summarized in the [Future Environmental Sustainability Directions Paper](#). It was prepared in-house in close collaboration with the Environmental Sustainability Strategy Project Control Group which consisted of staff from across all divisions of Council. The paper also provided the rationale, evidence base and analysis for aspirational yet achievable strategic environmental sustainability targets and actions to 2030 for Council's own operations and the community to help meet their environmental goals. These include protecting native plants and animals, looking after our waterways, acting on Council's climate emergency declaration, reducing waste to landfill and using resources wisely.

It considered Council's issue specific plans and strategies that help Council and the community to reduce their environmental footprint. These include Council's Community Strategic Plan, Local Strategic Planning Statement, Development Control Plan, Greenhouse Action and Water Management Plan, Bushland & Fauna Rehabilitation Plans, Urban Forest Strategy, Transport Strategy, and Sustainable Transport Action Plan. Proposed targets were also informed by data from the Australian Bureau of Statistics, the North Sydney community profile, population

projections, the planning priorities and actions identified in the Greater Sydney Commission's (GSC) North District Plan, relevant state and national plans and strategies, and recent environmental sustainability strategies from other councils.

## CONSULTATION REQUIREMENTS

Community engagement was undertaken in accordance with Council's Community Engagement Protocol.

## DETAIL

### Engagement Overview

A project specific Engagement Strategy was prepared to guide promotion of the Draft Strategy and the consultation period.

Council hosted an online information session on 16 June 2021, to provide an overview of the draft strategy and an opportunity for stakeholders to ask questions. The presentation, online recording and a Q&A summary also remain available on the website for those that could not attend the live event.

The following provides a summary of the methods used to generate widespread awareness of the proposal and the level of participation/reach:

- flyers on all Council noticeboards
- web page - 380 page views during the exhibition period, including:
  - 108 downloads of the draft strategy;
  - 18 downloads of presentation slides (from online information session).
- Online information session (including direct link to Your Say project page);
  - 16 June 2021 - 7 registered, 3 attendees, 32 views on YouTube<sup>1</sup>
- posts on Council's social media accounts - in summary the two Facebook posts reached over 18K people, two Instagram posts reached over 1.4K people, two Twitter post reached over 900 people
  - Facebook post 1, 1 June 2021<sup>2</sup> - 4,864 people reached, 15 likes, 1 love, 1 laugh, 0 comments and 5 shares;
  - Facebook post 2, 23 June 2021 - 13,317 people reached, 23 likes, 2 angry, 2 comments and 1 shares;
  - Twitter post 1, 1 June 2021 - 502 impressions, 0 likes, 1 link click
  - Twitter post 2, 23 June 2021 - 364 impressions, 1 likes, 1 link click
  - Instagram post 1, 1 June 2021 - 721 impressions, 21 likes, 1 comment
  - Instagram post 2, 23 June 2021 - 742 impressions, 8 likes, 1 comment
- Council's E-newsletters including monthly Council E-news, Green Events E-news, Sustainable Business E-news, North Sydney Business E-News, weekly Precincts E-news;

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<sup>1</sup> As at the time of preparing this report

<sup>2</sup> Also promoted online information session

- memorandum to Precinct Committees;
  - 4 Precinct Committees promoted the project (opportunity to have a say) via their meeting invite flyer distributed to a collective of 6280 residents

The above statistics demonstrate a high level of stakeholder awareness of the engagement opportunity.

### **Feedback/Submissions**

Feedback was invited via three methods:

- a. Online Feedback Form
- b. Online information session Q&A
- c. Submissions - including emails/letters/Precinct Committees and comments via related social media posts

In summary Council received a total of 22 submissions, including:

- 16 online survey feedback forms; and
- 6 written submissions, including from 3 Precinct Committees;

All submissions received were collated, analysed and are summarised below. Attachment 1 provides a detailed overview of the feedback received. In summary, the submissions were generally positive and constructive, and expressed a desire for the strategy to demonstrate more ambition. In total they raised 114 points, which were considered in consultation with relevant Council officers and responded to in Attachment 1.

### **1. Vision**

75% of survey respondents either agreed or strongly agreed with the vision of the draft strategy. Only minor suggested changes were received which have been incorporated into the strategy.

### **2. Environmental Sustainability Themes**

The most commented on topics of the draft strategy related to the following themes:

- Sustainable Transport
- Carbon footprint
- Urban Ecology
- Resource Recovery

Many of the key points raised related to the inclusion of specific actions that Council has already committed to through other strategies and plans. This was expected given the inclusion of an indicative rather than a comprehensive action plan, which would have made the document unwieldy and would have largely replicated actions contained in other adopted strategies. The included actions are listed in Attachment 1.

### 3. Targets

The draft strategy proposed twenty-two Environmental Sustainability targets. It is recommended that Target 3 is adjusted in the final strategy as follows:

Target 3	
Adjusted from:	to:
25% greenhouse gas reduction of 1996 community emissions levels before 2030	65% greenhouse gas reduction of 1996 community emissions levels before 2030

#### Rationale:

The NSW Government recently released an Electricity Strategy which committed support and investment clarity for Renewable Energy Zones across the state. This is expected to increase the renewable component of the NSW electricity grid from 16% to 60% by 2030. As electricity makes up 92% of the North Sydney LGA emissions profile, community emissions will therefore reduce to 54% compared to the 1996 baseline as a revised “business as normal” scenario. Added to other market trends and Council’s scheduled community energy reduction commitments which were included in the previous projections, a 65% reduction target is considered achievable.

**ATTACHMENT 1**

**Environmental Sustainability Strategy 2030  
Summary of submissions received during public exhibition period  
(1 June - 28 June 2021)**

The following criteria are used to analyse all submissions received, and to determine whether or not the plan would be amended:

1. The Draft Environmental Sustainability Strategy 2030 **would be** amended if issues raised in the submission:
  - a provided additional information of relevance.
  - b indicated or clarified a change in government legislation, Council's commitment or management policy.
  - c proposed strategies that would better achieve or assist with Council's objectives.
  - d was an alternate viewpoint received on the topic and is considered a better option than that proposed or;
  - e indicated omissions, inaccuracies or a lack of clarity.
  
2. The Draft Environmental Sustainability Strategy 2030 **would not be** amended if the issues raised in the submission:
  - a addressed issues beyond the scope of the proposal.
  - b was already in the proposal or will be considered during the development of a subordinate plan (prepared by Council).
  - c offered an open statement, or no change was sought.
  - d clearly supported the proposal.
  - e was an alternate viewpoint received on the topic but the recommendation was still considered the best option.
  - f was based on incorrect information.
  - g contributed options that are not possible (generally due to some aspect of existing legislation or government policy) or; involved details that are not appropriate or necessary for inclusion in a document aimed at providing a strategic community direction over the long term.

Amendment to Draft Environmental Sustainability Strategy 2030 SUBMISSIONS SUMMARY (Exhibition Period 1-28 June 2021)						
No.	Name and Address	Issue/Theme	Key Points Raised	Council Response	Recommended Action	Criteria
1a	John Blair CREMORNE		Can the strategy be updated annually?	Progress will be reported against some of the targets annually. Data availability (e.g. from to ABS data) means that others are not updated as frequently.	No change to the strategy	2g
1b		Resource Recovery	Problems with plastic recycling: very little plastic goes into the recycling bin and other plastics are rarely (if ever) recycled.	Council provides support to businesses to help them switch to more sustainable packaging and single use alternatives, including through the "ByeBye Plastics" campaign of the Better Business Partnership.  Unfortunately, Council does not have the power to legislate or enforce when it comes to business/resident use of plastics. However state and federal government do. There has been a recent announcement regarding a new <a href="#">NSW Plastics Action Plan</a> . It provides a roadmap to phasing out single use plastics and plastics that are not recyclable, giving businesses specific timeframes to phase them out of operation.	No change to the strategy	2g
2a	Vera Yee 1 Mckye St WAVERTON	Various related to development controls	All new DA's should have solar panels and water tanks.	Council cannot mandate installation of solar panels or water tanks as they fall under the State Government's BASIX State Environmental Planning Policy. As per action CF12 Council will continue to advocate the State Government to increase BASIX targets.	No change to the strategy	2g
2b		Urban Ecology	All new high-rise buildings should have an appropriate large area of green open space and concrete paths, paving and driveways should be minimised/ reduced.	Council's DCP prescribes minimum landscaped areas of 30% for multi-dwelling houses and 40% for Residential Flat Buildings.	No change to the strategy	2b
2c		Sustainable Transport	Fewer underground car parking spaces to be approved.	Through the North Sydney Transport Strategy, Council has already committed to investigate area-based parking rates for new development to support reduced car ownership and use.	No change to the strategy	2b

Amendment to Draft Environmental Sustainability Strategy 2030 SUBMISSIONS SUMMARY (Exhibition Period 1-28 June 2021)						
No.	Name and Address	Issue/Theme	Key Points Raised	Council Response	Recommended Action	Criteria
2d		Carbon Footprint/adaption	Roads and pavements should be light coloured for heat reflection.	Action to be added "Develop an Urban Heat strategy"	Action to be included in the strategy	1e
2e		Urban ecology	More support for community nursery and more employees for Streets Alive and Bushcare.	This will be addressed through action ES7 in the strategy which is to "Continue to support and expand environmental volunteer programs, including Bushcare, Adopt-a-Plot, Wildlife Watch, Native Havens, Streets Alive, community gardens and Harbourcare"	No change to the strategy	2b
2f		Urban ecology	Allow 'weeds' and flowers for bees and stop spraying poisons. Less frequent mowing of Parks and Gardens.	Council's mowing and pesticide regimes manage environmental weeds and balance the needs of users and the natural environment, particularly their uncontrolled spread into bushland areas.  Council is committed to increasing the population of native flowering plants in its parks and streetscapes and will include this as an action in the strategy.	Action to be included in the strategy	1e
3a	Elle Prevost 9C/ 22 King St	Urban ecology	I would love to see a bee corridor implemented!	This will be addressed through action UE12 in the strategy which is to "Identify opportunities to create and/or enhance green corridors linking bushland within North Sydney and in neighbouring LGAs"	No change to the strategy	2b
4a	Alison Handmer 30 Blues Point Rd	Vision statement	Remove maximising access to the foreshore as the proliferation of paths often destroys bush regeneration, Dogs off leashes chase birds, people who fish leave fishing hooks and lines, and people partying at all hours on the foreshore create disturbances amplified by noise reflecting off the water.	Foreshore access for the public is enshrined in a number of Council's Plans of Management and Council generally encourages appropriate and controlled access to the foreshore. In this case, where informal tracks through bushland are having an ecological impact, staff will investigate the strategic placement of formalised pathways as needed.	No change to the strategy	2e



Amendment to Draft Environmental Sustainability Strategy 2030 SUBMISSIONS SUMMARY (Exhibition Period 1-28 June 2021)						
No.	Name and Address	Issue/Theme	Key Points Raised	Council Response	Recommended Action	Criteria
4b		Sustainable Transport	It seems odd that Council wants the general population to reduce car ownership by 25 per cent, yet is not reducing its own fleet by the same amount.	Community car ownership reductions will be assisted by increased public transport use through the introduction of the Metro, associated residential and job growth and expected increase in car share schemes. Council's fleet needs will not be assisted by increased access to public transport in the same way. However, better utilisation through cross sharing of vehicles and a new pool vehicle booking system are expected to achieve a 10% Council fleet reduction.	No change to the strategy	2f
4c		Resource Recovery	Are you able to legislate to reduce and improve the packaging from goods sold at local supermarkets and restaurants, please? Take-away food containers and fresh food packaging (eg meat trays) often cannot be recycled, even if residents want to recycle them. As individuals, it is almost impossible to negotiate with large supermarket chains, but these businesses make profits on council's lands, and we are all left with the waste problems	Unfortunately, Council does not have the power to legislate or enforce when it comes to business/resident use of plastics. However state and federal government do. There has been a recent announcement regarding a new <a href="#">NSW Plastics Action Plan</a> . It provides a roadmap to phasing out single use plastics and plastics that are not recyclable, giving businesses specific timeframes to phase them out of operation.	No change to the strategy	2g
5a	Anna Warren 3 McKye St	Vision Statement	Separate the following points into two as I'm not sure they totally relate: • North Sydney has built its resilience to natural hazards. North Sydney has reduced its environmental impact by making efficient use of energy and water resources; shifting towards renewable energy resources; conserving resources; and minimising waste.		Change to be incorporated	1d

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No.	Name and Address	Issue/Theme	Key Points Raised	Council Response	Recommended Action	Criteria
5b		Resource Recovery	I would like to see the "Circular Economy" added to the action plan of resource recovery as I think this relates to resource recovery, but on a broader scale and the community should be more educated about the opportunities this produces.	For the community, circular economy will be added to action ES17 so it reads: "Provide education to the community to reduce waste, use resources more efficiently, and participate in the circular economy including by supporting, initiating and promoting waste related workshops and community events".  For Council's own operations circular economy will be added to action RR11, so it reads "Review and update Council's procurement processes to support the circular economy, reduce extraction and production, and increase recycled content of purchased materials".	Change to be incorporated	1d
6a	Peter Krinks 1 McKye St WAVERTON	Resources Recovery	Minimise waste in use of material and financial resources.	This is addressed through action RR11, which is to "Review and update Council's procurement processes to reduce extraction and production, and increase recycled content of purchased materials".	No change to the strategy	2d
6b		Urban Ecology	Plant more trees and shrubs, especially natives, and encourage owners of properties to do the same.	This is addressed throughout the Urban Ecology action plan.	No change to the strategy	2d
6c		Urban Ecology	Protect plants and maximise opportunities for native wildlife, including bees and insects that are vital for pollination.	This is addressed throughout the Urban Ecology action plan.	No change to the strategy	2d
6d		Urban Ecology	Green areas should be maintained as much as feasible by hand and machines, but the schedules for mowing should be more widely-spaced. That may allow for small plants to develop flowers, supporting wildlife. Poisons to control weeds should not be used on green areas - only, if at all, on gutters.	Council's mowing and pesticide regimes manage environmental weeds and balance the needs of users and the natural environment, particularly their uncontrolled spread into bushland areas.  Council is committed to increasing the population of native flowering plants in its parks and streetscapes and will include this as an action in the strategy	Change to be incorporated	1e

Amendment to Draft Environmental Sustainability Strategy 2030 SUBMISSIONS SUMMARY (Exhibition Period 1-28 June 2021)						
No.	Name and Address	Issue/Theme	Key Points Raised	Council Response	Recommended Action	Criteria
6e		Water Quality	Protect and maintain watercourses	This is addressed throughout the Water Quality action plan.	No change to the strategy	2d
6f		Carbon Footprint, Water Conservation	Solar panels and water tanks should be compulsory for all new buildings.	Council cannot mandate installation of solar panels or water tanks as they fall under the State Government's BASIX State Environmental Planning Policy. As per action CF12 Council will continue to advocate the state government to increase BASIX targets.	No change to the strategy	2g
6g		Urban Ecology	Planners should devise more areas of open space, within easy reach of all large buildings. Open spaces between buildings should wherever possible have grass and plants rather than concrete.	Council's DCP prescribes minimum landscaped areas of 30% for multi-dwelling houses and 40% for Residential Flat Buildings.	No change to the strategy	2b
6h			All DAs should be considered in detail, at length, with none 'fast-tracked' by private certifiers.	NSW state law mandates how Development applications are processed. Only Council (or another statutory body such as the Department of Planning) can issue a Development Consent for a DA. The process followed includes community consultation and assessment against appropriate merit-based controls contained within Councils LEP, DCP and other statutory and policy documents. On occasion Council will have the assessment of an application undertaken externally, primarily due to conflict of interest issues. Even in such circumstances recommendations are reviewed for quality and consistency, but the independence of the external assessment is always maintained. Applications are not generally outsourced to fast track or expedite a determination.	No change to the strategy	2a
6i		Carbon Footprint, Sustainable Transport	Underground carparks should be minimised as they are extremely wasteful of energy and natural materials.	Through the North Sydney Transport Strategy, Council has already committed to investigate area-based parking rates for new development to support reduced car ownership and use.	Action to be included in the strategy	1e

Amendment to Draft Environmental Sustainability Strategy 2030 SUBMISSIONS SUMMARY (Exhibition Period 1-28 June 2021)						
No.	Name and Address	Issue/Theme	Key Points Raised	Council Response	Recommended Action	Criteria
7a	Wollstonecraft Precinct	Carbon Footprint	Pursue more co-gen or tri-gen systems within NSC properties and encouraging it in private properties.	Cogen and tri gen use gas, which is not consistent with Council's 100% renewable electricity and carbon neutrality targets	No change to the strategy	2f
7b		Water conservation and water quality	Look at further water harvesting at Tunks Park, Anderson Park, Milson Park.	This is addressed by action WC6 which is to "Investigate opportunities to install additional rainwater tanks and water reuse systems at Council parks and facilities"	No change to the strategy	2b
7c		Urban Ecology	The indigenous artefacts throughout NSC bush lands should be listed, recorded and suitably maintained, as well as the use of indigenous cultural burns to maintain our natural bush lands, to control the fuel load.	Aboriginal heritage relates to cultural and social sustainability and is therefore not included in the Environmental Sustainability Strategy. While sensitive and not publicly available, all Aboriginal heritage in the North Sydney Council area has already been listed, recorded and is suitably protected.  Through the bushland plan of management, Council has committed "Use fire as a management tool to maintain bushland biodiversity and reduce hazards" This will be included in the action plan.	Action regarding fire as a management tool to maintain biodiversity in bushland to be included in the strategy	1e
7d		Resource Recovery	NSC has previously had its waste turned into compost for landscape purposes, this should be pursued again.	This is addressed in the Resource Recovery section of the strategy including through action RR15 to "Conduct a food waste trial to reduce the amount of organic waste going to landfill".	No change to the strategy	2b
7e		Resource Recovery	An EARN & RETURN deposit collection point needs to be provided within NS LGA area.	This is consistent with the resource recovery targets. Action to be added to "Continue to work to establish a Return and Earn collection point in a suitable location"	Action to be included in the strategy	1e
7f		Sustainable Transport	Electric Vehicle Charging Points to be provided on the streets for both car share pods as well as residents vehicles, which do not have off-street parking, so as to encourage more EV.	This is addressed by Action SS10 in the strategy which is to "Develop a Public Parking EV Charging Infrastructure Strategy"	No change to the strategy	2b

Amendment to Draft Environmental Sustainability Strategy 2030 SUBMISSIONS SUMMARY (Exhibition Period 1-28 June 2021)						
No.	Name and Address	Issue/Theme	Key Points Raised	Council Response	Recommended Action	Criteria
7g		Sustainable Transport	NSC should be negotiating with TfNSW to ensure that they build the elevated "HarbourLink" sustainable transport infrastructure alongside the Warringah Freeway, as part of the WHT&BL plus WF Upgrade; for cyclists and pedestrians to enable easy access to the Sydney Harbour Bridge (SHB) from Cammeray along a 3 degree gradient 1.3km 'missing link' Shared User Path (SUP) to enable cyclists from Ryde, Lane Cove, Naremburn to avoid NS local roads to get to the SHB.	Council is working with TfNSW regarding a regional network and there is a requirement in the consent for the Western Harbour Tunnel development to review the network in conjunction with Council. The following action will be added to the action plan: "Advocate the NSW Government and other relevant stakeholders to improve planning and delivery of integrated and efficient cycling network, including as part of the Western Harbour Tunnel and Beaches Link as well as the Warringah Freeway upgrades."	Action to be included in the strategy	1e
7h		Sustainable Transport	Foreshore access for small craft – 1 Henry Lawson Drive has been purchased by TfNSW and NSC should give serious consideration to the site being used for the launching of small craft, while ensuring continuous foreshore walks.	This issues relates to recreation, health and social sustainability and is therefore not included in the Draft Environmental Sustainability Strategy.	No change to the strategy	2b
7i		Sustainable Transport	Foreshore walks- the missing links should be pursued by NSC, to enable continuous foreshore walks for all. There should be means for gaining the foreshore via any DA subdivisions, the foreshore needs to be given over to council as well as the use of boardwalks. This was an aim of NSC more than 10 years ago and should be reinstated.	This issues relates to recreation, health and social sustainability and is therefore not included in the Draft Environmental Sustainability Strategy.	No change to the strategy	2b
8a	Jillian Christie PO Box 704 Milsons Point NSW 1565		Submission as per No. 7a-i above	Submission as per No. 7a-i above	As above 7a-i	As above 7a-i

Amendment to Draft Environmental Sustainability Strategy 2030 SUBMISSIONS SUMMARY (Exhibition Period 1-28 June 2021)						
No.	Name and Address	Issue/Theme	Key Points Raised	Council Response	Recommended Action	Criteria
9a	Name and address withheld	Resource Recovery	Target of “10% reduction in tonnes of waste generation per household from 2019/20 levels before 2030” should be higher with more recycling opportunities offered: Eg Collection of compostable food scraps from households, community composting eg in parks or other open spaces, providing separated bins for sorting of waste in high pedestrian zones.	The target of “10% reduction in tonnes of waste generation per household from 2019/20 levels before 2030” is consistent with the state government’s newly released Waste and Sustainable Materials Strategy.  While community composting has not yet been explored outside of the existing community gardens, Action RR15 in the strategy is to “Conduct a food waste trial to reduce the amount of organic waste going to landfill”.	No change to the strategy	2b
9b		Resource Recovery	Current co-mingling of domestic recyclables creates little incentive for households to manage their waste better. Previously residents could see very easily that their plastic or paper recycling bin was full. Co-mingling “masks” the message of recycling.	Waste storage constraints in a high density area like North Sydney makes it challenging to allocate additional bins for more source separation. It is therefore likely that alternative options will be considered to achieve Council’s 80% recycling rates for municipal solid waste before 2030.	No change to the strategy	2e
9c		Resource Recovery	The Action “Encourage building design and construction techniques that minimise future waste generation” should be changed to more strong and definite language. Suggest change of working to “mandate” not “encourage”	Mandating such a requirement would be considered onerous and redundant as construction methods and recycling opportunities will continue to evolve. It is therefore considered inappropriate to mandate this issue at a local level beyond the requirements and directives that flow from the State and Federal Governments.	No change to the strategy	2e
10a	Tony Stanley 42-44 Sinclair St WOLLSTONECRAFT	Sustainable Transport	Bike share needs to be council supported by re-allocating car parking spaces for centralised hubs for share bikes. This model is used successfully in Switzerland. If Council doesn't allocate appropriate and useful space for share bike storage, they will inevitably be an eyesore because they'll be dumped on the footpath.	Bike share operators are not currently operating within North Sydney LGA, however the medium to long term role of bike sharing will be considered in the upcoming review of the North Sydney Integrated Cycling Strategy. The following action will be added to the action plan: “Consider the medium to long term role of bike sharing in the upcoming review of the North Sydney Integrated Cycling Strategy”	Action to be included in the strategy	1e

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No.	Name and Address	Issue/Theme	Key Points Raised	Council Response	Recommended Action	Criteria
10b		Sustainable Transport	While the target of 85% non-single occupant car for commuting is a good start, North Sydney desperately needs a similar target for all resident transport inside North Sydney and neighbouring council areas (Willoughby, Lane Cove and Mosman).	Planning for peak-hour travel demand (i.e. commuter trips including school trips) ensures that there is adequate walking, cycling and PT network capacity to allow for more walking, cycling and Public Transport (PT) use during inter-peak periods. While this does have some knock-on impact on inter-peak travel choices, there are, generally, lower levels of walking, cycling and PT mode share during inter-peak periods, mainly due to the less constrained nature of North Sydney's traffic network and the types of trips that are made during these times.	No change to the strategy	2e
11a	Grant Kepler 204 West Street	Sustainable Transport	Item SS6 could perhaps be expanded to incentivise and provide infrastructure to enable the use of lower impact commercial vehicles. For example, some local governments (abroad) have invested in parcel dispatch hubs, to which parcels are delivered with one stop by a higher impact vehicle and then distributed over the "last mile" by lower impact shuttle vehicles. The density of North Sydney LGA would be ideally suited to this.	The North Sydney Transport Strategy identifies a North Sydney Local Deliveries and Freight Action Plan as one of its key deliverables. Minimising the impact of local deliveries by encouraging the use of lower impact vehicles for last mile servicing is specifically identified for consideration as part of the development of this Action Plan.	No change to the strategy	2b
12a	Alastair Grieve 2/70 Milray Ave WOLLSTONECRAFT	Carbon Footprint	The Carbon Footprint targets are insufficiently ambitious. If individuals can elect to receive 100% green energy, why can't the Council do this now?	While Council's commitment is to achieve 100% renewable electricity before 2030, Council is currently going through an electricity procurement contract which gives confidence that Council may be able to achieve 100% renewable electricity at an earlier date than the proposed target.	No change to the strategy	2e

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No.	Name and Address	Issue/Theme	Key Points Raised	Council Response	Recommended Action	Criteria
12b		Water Conservation	The water conservation targets are very low. To increase from 44% now to 50% by 2030 is not enough. Similarly the community target seems very low. Why not target apartment and other community users with rate reductions for water tank installations?	Council has implemented many water saving initiatives over the years and is at a point where additional water savings are getting more and more difficult and costly for smaller and smaller water savings. The community and Council operational reduction targets go beyond business as usual and are informed by climate predictions and water audits which identify future water savings opportunities.  Action WC11 of the strategy is to "Investigate opportunities to provide rebates to the community and businesses for water use improvement". This may include rate reductions.	No change to the strategy	2e
12c		Resource Recovery	Should charge more for recycling. Too much waste is accepted at roadside. Council should sponsor reuse workshops or businesses to reuse or rehome still useful items. Worthwhile but should aim higher overall.	Household clean-up services are an important part of Council's waste collection program given the high proportion of residents living in units with limited storage space. They must be booked in, and strict collection criteria and limits apply. In the absence of this service, illegal dumping rates would significantly rise in the area, which would not only create amenity issues but at the same time will influence mobility on footpaths.  Council provides ongoing education around waste avoidance and reduction and has identified this through a number of actions in the strategy.	No change to the strategy	2e
13a	Mark Cowlshaw SeedCulture 114 Ernest St	Carbon Footprint	Please uplift renewable energy target to achieve 100% renewable by 2025 instead of 2030. It's easily achievable.	While Council's commitment is to achieve 100% renewable electricity before 2030, Council is currently going through an electricity procurement contract which gives confidence that Council may be able to achieve 100% renewable electricity at an earlier date than the proposed target.	No change to the strategy	2e



Amendment to Draft Environmental Sustainability Strategy 2030 SUBMISSIONS SUMMARY (Exhibition Period 1-28 June 2021)						
No.	Name and Address	Issue/Theme	Key Points Raised	Council Response	Recommended Action	Criteria
14a	Jon Cook 11 Lord St	Sustainable Transport	Cycling and walking need to be much more strongly emphasised, for example by mentioning improved cycle access to the Bridge including a new run-off ramp, access from the Bridge to Falcon St and shared footpaths with pedestrians having right of way over cyclists.	<p>To guide Council's strategic transport planning and decision making, its Transport Strategy established a modal hierarchy with walking being the highest priority, then cycling, public transport, local deliveries &amp; freight and lastly private vehicles.</p> <p>Council is working with TfNSW regarding a regional network and there is a requirement in the consent for the Western Harbour Tunnel development to review the network in conjunction with Council. The following action will be added to the action plan: "Advocate the NSW Government and other relevant stakeholders to improve planning and delivery of integrated and efficient cycling network, including as part of the Western Harbour Tunnel and Beaches Link as well as the Warringah Freeway upgrades."</p> <p>Action SS2 to be amended to "Construct footpaths, cycleways and shared paths."</p>	Action to be included in the strategy	1e
14b		Water Quality	To improve water run-off quality, more focus is IMO required on street cleaning, of both leaves and rubbish, and on waste as well as the 90% target in 2030	Action WQ4 is to "Continually improve street sweeping to capture debris before entertain the stormwater systems". This is a key action to help achieve Target 8: "10% more material (3940t) is kept out of our waterways by Council's stormwater improvement programs than in 2019 (3582t) before 2030"	No change to the strategy	2b

Amendment to Draft Environmental Sustainability Strategy 2030 SUBMISSIONS SUMMARY (Exhibition Period 1-28 June 2021)						
No.	Name and Address	Issue/Theme	Key Points Raised	Council Response	Recommended Action	Criteria
14c		Urban Ecology	NSC should support the planting of endemic species (eg, by providing advice as well as tubestock) and subsidise the removal of trees that have to be removed due to age or eg, wind damage. It is otherwise too expensive in the long term for us to plant trees in our yards.	Council supplied over 16,000 endemic tubestock plants to local residents through the Native Havens program over the last 15 years.  Council's Urban Forest Strategy includes an action to "Develop and implement an Urban Forest Incentives program to encourage and reward community members that contribute to the urban forest vision." This action will also added to the Environmental Sustainability Strategy Action Plan.	Action to be included in the strategy	1e
14d		Urban Ecology	In addition, ongoing control of foxes and promotion of cat and dog control is required to support the survival of indigenous wildlife"	Council has worked with other public land managers in the Sydney north region to implement coordinated fox control since 2000. Council also provides education around responsible pet ownership to all registered pet owners, on its website and at various events.	No change to the strategy	2b
14e		Resource Recovery	The introduction of food waste bins needs to be mentioned. Also support for home composting which we do in our yard.	Action RR15 in the strategy is to "Conduct a food waste trial to reduce the amount of organic waste going to landfill". Council's support for home composting through the provision of worm farming and composting workshops is also included in the strategy. The following action will be added to the Environmental Sustainability Strategy Action Plan: "Continue to provide subsidised compost bins and worm farms to local residents."	Action to be included in the strategy	1e
14f		Sustainable Transport	Allow the joint use of NS footpaths by bikes and pedestrians, with cyclists required to give right of way to pedestrians.	Regulation of moving vehicles is under the authority of Transport for NSW. However, Council will consider formalised shared paths in some locations subject to consistency with relevant network design guidelines. Action SS2 to be amended to "Construct footpaths, cycleways and shared paths."	Strategy to be amended	1e

Amendment to Draft Environmental Sustainability Strategy 2030 SUBMISSIONS SUMMARY (Exhibition Period 1-28 June 2021)						
No.	Name and Address	Issue/Theme	Key Points Raised	Council Response	Recommended Action	Criteria
14g		Sustainable Transport	Develop systems so that houses without garages can charge EVs close to their normal parking area.	This is addressed by Action SS10 in the strategy which is to "Develop a Public Parking EV Charging Infrastructure Strategy"	No change to the strategy	2b
14h		Carbon Footprint	CF15 is wrongly phrased. I guess you mean ""instead of"	Strategy to be amended as suggested to provide greater clarity.	Strategy to be amended	1e
14i		Water Quality	WQ3 What is WSUD, als BASIX and other abbreviations. There should be a list of all abbreviations in the document at the end.	Strategy to be amended to provide greater clarity.	Strategy to be amended	1e
14j		Urban Ecology	UE5 Bushcare needs additional staff inputs and improved relationships with Council	Council employs professional bush regenerators to help with the conservation and rehabilitation of its reserves. They contribute just under 10,000 hours per annum, or approximately three to four times the volunteer contribution. This is in addition to the on ground work conducted by Council's in-house bush regeneration team, which includes providing supervision, education and support to community volunteers.	No change to the strategy	2b

Amendment to Draft Environmental Sustainability Strategy 2030 SUBMISSIONS SUMMARY (Exhibition Period 1-28 June 2021)						
No.	Name and Address	Issue/Theme	Key Points Raised	Council Response	Recommended Action	Criteria
14k		Urban Ecology	UE10 replace trees like the Chinese Tallows with appropriate Australian species. In some areas where sunlight is needed in winter, non-Australian species may be preferable.	More than 50% of the street trees Council plants are Australian natives. Council's <a href="#">Street Tree Strategy</a> provides detail on how species are selected. In summary an evaluation is carried out that considers the local site constraints, the character of the area, and the longevity and maintenance requirements of the species. Whilst indigenous species may be well suited to the local environmental conditions pre human settlement, the growing conditions in an urban setting, particularly a street situation, are very different from natural conditions and often indigenous species cannot cope with these restrictions. Many exotic species have been in cultivation for hundreds, even thousands, of years and over that time they have been carefully bred for superior performance. They have been hybridised and selected for their vigour in urban growing conditions. Currently North Sydney has a fairly balanced mix of natives and exotics and proposes to continue planting in this ratio.	No change to the strategy	2e
15a	Alice Martin 7/50-60 Clark Rd NORTH SYDNEY	Carbon Footprint	Improve LEP and local development controls to ensure green building considerations (including but not limited to, energy efficiency, passive heat and cooling opportunities, maximising shade tree coverage as well as encouraging use of circular building materials and maximising recycling) are integrated into all new development approvals.	Already addressed in the strategy including the following actions in the action plan: CF10 "Review planning controls to drive a lower embodied carbon footprint during the design and construction phase of both commercial and residential buildings" and CF12 "Review and update the energy provisions planning controls to incorporate best practice energy management measures".	No change to the strategy	2b
16a	Paul Vonwiller Sustainable Management 7/8-10 Cranbrook Ave CREMORNE	Sustainable Transport	Prioritise electric vehicles	This is addressed by action SS11 in the action plan: "Strengthen planning controls to ensure car parking areas are designed and constructed so that EV charging points can be Installed"	No change to the strategy	2b

Amendment to Draft Environmental Sustainability Strategy 2030 SUBMISSIONS SUMMARY (Exhibition Period 1-28 June 2021)						
No.	Name and Address	Issue/Theme	Key Points Raised	Council Response	Recommended Action	Criteria
16b		Sustainable Transport	Phase in electric buses	Buses are under the jurisdiction of Transport for NSW, not councils	No change to the strategy	2g
17a	Waverton Precinct	Carbon Footprint	Targets 1 and 2 should be 2022 to reflect the currently acknowledged emergency. This can be achieved by a combination of installing solar panels and buying green power.	While Council's commitment is to achieve 100% renewable electricity and carbon neutrality before 2030, Council is currently going through an electricity procurement contract which gives confidence that Council may be able to achieve 100% renewable electricity at an earlier date than the proposed target. If this is the case Council is also likely to achieve carbon neutrality sooner than 2030.	No change to the strategy	2e
17b		Carbon Footprint	Target 3 does not sound ambitious. Consider 75%.	Council will raise the target to 65% in response to the NSW Government recently released Electricity Strategy. This is expected to significantly increase the renewable component of the NSW electricity grid. Added to Council's own energy conservation programs, a 65% reduction target is considered more ambitious while still achievable.	Strategy to be amended	1b
17c		Carbon Footprint	P5 Dot point 7. Recommend "in lieu of" rather than "in favour of" here and elsewhere in the document.	Strategy to be amended with "instead of" to provide greater clarity.	Strategy to be amended	1e
17d		Carbon Footprint	P5 Dot point 11: Recommend interpolating "and storage" between "generation" and "network". Recommend adding at end "by 2025."	"and storage" to be added to the strategy as suggested. The date of the target will remain unchanged. While Council's commitment is to achieve 100% renewable electricity before 2030, Council is currently going through an electricity procurement contract which gives confidence that Council may be able to achieve 100% renewable electricity at an earlier date than the proposed target.	Strategy to be partially amended as per the Council response	1e

Amendment to Draft Environmental Sustainability Strategy 2030 SUBMISSIONS SUMMARY (Exhibition Period 1-28 June 2021)						
No.	Name and Address	Issue/Theme	Key Points Raised	Council Response	Recommended Action	Criteria
17e		Water Conservation	P6 Where we want to be: suggest additional target: "50% of non-potable water use to be from reclaimed water by 2030"	Non-potable water supply is an important component of helping Council achieve Target 4: "50% potable water use reduction in Council operations from the 2001/202 baseline before 2030". Several actions have been listed in the strategy to indicate this, including WC2 and WC6.	No change to the strategy	2e
17f		Water Conservation	P7 first dot point. Could include Coal Loader Roof water harvesting as part of existing systems	Coal Loader Platform roof water harvesting system will be added as part of existing achievements.	Strategy to be amended	1e
17g		Water Quality	P8 Water Quality: Target 6 of 70% compliance does not sound ambitious. Recommend 90%.	In urban areas like North Sydney, impervious surfaces like roads and roofs have significantly changed natural flows, and increased runoff and pollution from a variety of sources including from surrounding council areas. Given this highly disturbed environment, a target of 90% is considered unachievable.	No change to the strategy	2g
17h		Water Quality	P9 What we have achieved so far. Comment: There appear to be gully pits, including in CBD, that are blocked long term. Should a target be to keep all gully pits operable and clean?	Action WQ4 will be amended to include pit cleaning to read: "Continually improve street sweeping and pit cleaning to capture debris before entering the stormwater systems"	Strategy to be amended	1e

Amendment to Draft Environmental Sustainability Strategy 2030 SUBMISSIONS SUMMARY (Exhibition Period 1-28 June 2021)						
No.	Name and Address	Issue/Theme	Key Points Raised	Council Response	Recommended Action	Criteria
17i		Urban Ecology	P12 Urban Ecology. Your introduction here acknowledges backsliding on canopy cover. The target to get only 0.5% above 2008 level is very modest. Recommend a 5% target at minimum. Recommend the Urban Forest Strategy be reviewed/revised to address this. One possibility is tree plantings in roads.	<p>The 34.4% target is based on international industry best practice on genuinely achievable levels of cover for the various land use zones (CBD 15% cover, Urban 25% cover and Suburban 50% cover), noting that 54% of the North Sydney LGA is covered by hard surfaces.</p> <p>Council has continued to maintain 50% cover over public land and since 2008 Council has increased the number of street trees from 16.5k to 17.5k in 2020. Council's Street Tree Strategy details the options for various types of street plantings and as suggested, Council does actively plant into road shoulders in (existing and new) chicanes where feasible and has in the past planted down the centre of wide roads. Staff are happy to respond to resident requests from both an 'individual' or 'whole street' level.</p>	No change to the strategy	2b
17j		Resource Recovery	P14 The introduction should endorse the concept of The Circular Economy as this is long term sustainable.	<p>For the community, circular economy will be added to action ES17 so it reads: "Provide education to the community to reduce waste, use resources more efficiently, and participate in the circular economy including supporting, initiating and promoting waste related workshops and community events".</p> <p>For Council's own operations circular economy will be added to action RR11, so it reads "Review and update Council's procurement processes to support the circular economy, reduce extraction and production, and increase recycled content of purchased materials".</p>	Change to be incorporated	1d

Amendment to Draft Environmental Sustainability Strategy 2030 SUBMISSIONS SUMMARY (Exhibition Period 1-28 June 2021)						
No.	Name and Address	Issue/Theme	Key Points Raised	Council Response	Recommended Action	Criteria
17k		Sustainable Transport	P16 Sustainable Transport, and P32 SS13. The Climate Emergency demands a rapid end to fossil fuelled vehicles. Recommend Goal 22 target date be brought forward to 2025, with immediate commencement i.e No new fossil fuelled vehicles to be procured. Garbage trucks to be part of transition. (We note that other councils have already been trialling electric garbage trucks and have calculated a payback time of 7 years – not counting the value to the environment.	Given the certainties around electric vehicle economics and availability, bringing the target forward to 2025 is not considered achievable.	No change to the strategy	2e
17l		Sustainable Transport	P17 Dot point 6. This is all worthless and will be a fail unless NSC stands up to the State government and insists that the CBD be properly considered by transport planners before finalising the WHT and BL projects, with Berry St onramp eliminated. And it further includes proposals to divert city-bound bus routes to North Sydney Station. Failure to provide a subgrade pedestrian link between the heavy rail and metro stations is a fail which should be remedied by 2025.	Council is currently working with TfNSW to develop the North Sydney Integrated Transport Program (NSITP). NSITP is intended to minimise the negative impacts of the Western Harbour Tunnel and Beaches Link (WHT/BL) on the North Sydney CBD community. NSITP includes strategies for managing bus activity in the North Sydney CBD.  A sub-grade pedestrian link between North Sydney's suburban rail and Metro stations was discussed during the development of the Victoria Cross interchange access plan but was not pursued as it was agreed that this type of facility would a) provide lower levels of amenity than interchange opportunities at Chatswood and Central Stations, which it would replicate and b) remove desirable walking/economic activity from at grade areas in the North Sydney CBD.	No change to the strategy	2b



Amendment to Draft Environmental Sustainability Strategy 2030 SUBMISSIONS SUMMARY (Exhibition Period 1-28 June 2021)						
No.	Name and Address	Issue/Theme	Key Points Raised	Council Response	Recommended Action	Criteria
17m		Sustainable Transport	P17 Add a dot point: "Develop and implement a plan to integrate powered personal transport devices into the transport plans for North Sydney."	Federal legislation prohibits e-scooters and e-skateboards from being used on roads so Council does not have the jurisdiction to develop policies around this. However, we understand that the State Government is doing some work around micro mobility devices, so this may change in the future.	No change to the strategy	2g
17n		Carbon Footprint	P19 Action Plan: Carbon Footprint CF4: Recommend Timeframe 2022 to respond to Climate Emergency	While Council's commitment is to achieve 100% renewable electricity before 2030, Council is currently going through an electricity procurement contract which gives confidence that Council may be able to achieve 100% renewable electricity at an earlier date than the proposed target.	No change to the strategy	2e
17o		Carbon Footprint	P19 CF5: Recommend Timeframe 2022/23 to respond to Climate Emergency	While Council's commitment is to achieve carbon neutrality before 2030, it may achieve this much sooner once it purchases 100% renewable electricity, and continues to implement scheduled emission reduction programs.	No change to the strategy	2e
17p		Carbon Footprint	P19 CF7: Set target for substantial improvement, redressing losses over recent years and reducing heat island effects.	Action to be added "Develop an Urban Heat strategy"	Action to be included in the strategy	1e
17q		Carbon Footprint	P20 CF16 CF4: Recommend Timeframe 2022 to respond to Climate Emergency	While Council's commitment is to achieve 100% renewable electricity before 2030, Council is currently going through an electricity procurement contract which gives strong confidence that Council may be able to achieve 100% renewable electricity at an earlier date than the proposed target.	No change to the strategy	2e
17r		Carbon Footprint	P20 CF19 Rephrase to acknowledge that in the Climate Emergency, lowest possible cost is not the dominant criterion. Action is.	Target to be amended to: "Investigate opportunities to facilitate the purchase of electricity from renewable sources for the North Sydney community."	Strategy to be amended	1d

Amendment to Draft Environmental Sustainability Strategy 2030 SUBMISSIONS SUMMARY (Exhibition Period 1-28 June 2021)						
No.	Name and Address	Issue/Theme	Key Points Raised	Council Response	Recommended Action	Criteria
17s		Water Conservation	P22 Water Conservation WC14 Recommend "Investigate and further implement non-potable water harvesting opportunities, including reticulation options." – To be "Ongoing"	Action to be added as proposed	Strategy to be amended	1e
17t		Urban Ecology	P27 Urban Ecology UE3A: Recommend ""Establish and implement a program to increase tree cover in the municipality, including street centre planting where feasible.""	This is consistent with Council's Urban Forest Strategy. A new action will be added from the Urban Forest Strategy: to "Assess and prioritise any new planting sites identified and commence planting in accordance with policies, strategies or programs."	Strategy to be amended	1e
17u		Urban Ecology	P27 UE10 Recommend including the phrase "reducing heat island effects" as this is more focussed than "microclimates"	Amend Strategy as suggested.	Strategy to be amended	1e
17v		Sustainable Transport	P31 Sustainable Transport SS6 Recommend add "Develop and implement a policy for electric bikes, scooters etc to respond to their rapid growth in popularity.	Federal legislation prohibits e-scooters and e-skateboards from being used on roads so Council does not have the jurisdiction to develop policies around this. However, we understand that the state government is doing some work around micro mobility devices, so this may change in the future.	No change to the strategy	2g
17w		Sustainable Transport	P32 SS15 Recommend "Develop policies to cater for two way electricity storage strategies in EVs when parked."	Amend SS11 to "Strengthen planning controls to ensure car parking areas are designed and constructed so that EV charging points can be installed, and cater for two way electricity storage when EVs are parked."	Strategy to be amended	1a
18a	Mark Macfarlane Arrochar Consulting Pty Ltd 604/250 Pacific H'way	Carbon Footprint	I would like to see a strategy on the vision for managing Urban Heat in the North Sydney council area especially with more large scale developments underway in the area.	Action to be added "Develop an Urban Heat strategy"	Strategy to be amended	1e
18b			There is no mention of how the council is measuring or collect data on the success of the strategy	To keep the strategy as streamlined as possible, operational details including measurement and data collection information have been consciously omitted. Progress will be reported against some of the targets annually. Data availability (eg from to ABS data) means that others are not updated as frequently.	No change to the strategy	2e

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No.	Name and Address	Issue/Theme	Key Points Raised	Council Response	Recommended Action	Criteria
18c			As a last point of note, the council has not aligned to the UN SDG goals. Many other councils and large cities are adopting alignment to SDG's. Disappointing that NSC council are not.	The goals and targets were informed by the UN SDG goals, which are also referenced throughout the strategy. More details are available in the <a href="#">Future Environmental Sustainability Directions Paper</a> which informed the strategy.	No change to the strategy	2b
18d			I would like to see NSC council better employ technology to meet its vision. Especially, measuring against progress otherwise, you may never know if the strategy has been implemented effectively and what pivots and changes you need to make along the way. The strategy should be reviewed annually due to rapidly changing external environmental conditions such as climate change and the availability of new technologies that can be employed to meet targets and collect data to measure progress.	Progress will be reported against some of the targets annually. Data availability (e.g. from to ABS data) means that others are not updated as frequently.	No change to the strategy	2g
19a	Marguerite Wetton Cammeray Rd	Engagement in Sustainability	More local power to execute this plan and speedy implementation ALSO more community contact and personal involvement in the execution of it.	Community involvement in implementing the strategy is strongly supported and catered for particularly through the targets and actions relating to "Engagement in Sustainability"	No change to the strategy	2a
19b		Sustainable Transport	Solar powered open air trams to reduce viral contamination and cars per household, linking to other public transport facilities.	Light rail is under the jurisdiction of Transport for NSW, not councils.	No change to the strategy	2g
20a	Maria 5 Woolcot St	Engagement in Sustainability	Sustainable living and eating. Also, cultivating awareness in younger generations (working closely with local early education centres and primary schools. It would be great to include high schools too).	This is consistent with Council's practices and strategies. Amend action ES5 to read: "Implement school, business and community programs to reduce their local ecological footprint (incl: grants, Sustainable food, City Switch, Better Business Partnership, Future Proof Apartments Program)"	Strategy to be amended	1e

Amendment to Draft Environmental Sustainability Strategy 2030 SUBMISSIONS SUMMARY (Exhibition Period 1-28 June 2021)						
No.	Name and Address	Issue/Theme	Key Points Raised	Council Response	Recommended Action	Criteria
21a	Tara McCabe 4 Belmont Ave	Urban Ecology	It's great that North Sydney residents care about our natural environment. Perhaps the council could consider paying people to do this vital work?	Council employs professional bush regenerators to help with the conservation and rehabilitation of its reserves. They contribute just under 10,000 hours per annum, or approximately three to four times the volunteer contribution. This is in addition to the on ground work conducted by Council's in-house bush regeneration team, which includes providing supervision, education and support to community volunteers.	No change to the strategy	2b
21b		Carbon Footprint	The council certainly has set themselves a very leisurely target of running all council spaces on renewable energy by 2030. The City of Sydney Council has already achieved this, last year. It should not take 9 years to switch over all community spaces to green energy - this is a very poor target.	While Council's commitment is to achieve 100% renewable electricity before 2030, Council is currently going through an electricity procurement contract which gives confidence that Council may be able to achieve 100% renewable electricity at an earlier date than the proposed target. If this is the case Council is also likely to achieve carbon neutrality sooner than 2030.	No change to the strategy	2e
21c		Water Conservation	A 7% reduction in potable water use from 2001 to 2017/18 is really not much to write home about. The council setting itself a potable water reduction target of 6% between 2016/17 and 2030 is also an extremely half hearted target.	Council has implemented many water saving initiatives over the years and is at a point where additional water savings are getting more and more difficult and costly for smaller and smaller water savings. The community and Council operational reduction targets go beyond business as usual and are informed by climate predictions and water audits which identify future water savings opportunities.	No change to the strategy	2e

Amendment to Draft Environmental Sustainability Strategy 2030 SUBMISSIONS SUMMARY (Exhibition Period 1-28 June 2021)						
No.	Name and Address	Issue/Theme	Key Points Raised	Council Response	Recommended Action	Criteria
21d		Resource Recovery	<p>10% waste reduction target per household is not ambitious enough. Reducing the number of kerbside pickups and educating people on where to send their unwanted items would be an easy win for the council.</p> <p>The council says it wants to increase recycling rates 80% by 2030. The council needs to come into the 21st Century and focus on reducing, not recycling.</p>	<p>The target of “10% reduction in tonnes of waste generation per household from 2019/20 levels before 2030” is consistent with the state government’s newly released Waste and Sustainable Materials Strategy.</p> <p>Household clean-up services are an important part of Council’s waste collection program given the high proportion of residents living in units with limited storage space. They must be booked in, and strict collection criteria and limits apply. In the absence of this service, illegal dumping rates would significantly rise in the area, which would not only create amenity issues but at the same time will influence mobility on footpaths.</p> <p>Council provides ongoing education around waste avoidance and reduction and has identified this through a number of actions in the strategy.</p>	No change to the strategy	2e
21e		Sustainable Transport	<p>Is the council focusing on providing more public transport? Or is it focusing on the uptake of EVs? If the second, how will the council encourage this?</p> <p>Does the council have any say in public transport? If yes, the council needs to take a stronger stance on improving public transport all over the state and keeping it public and not privately owned. As it stands, the council's voice on these issues is very quiet."</p>	<p>The strategy focuses on reducing private vehicle trips, including by promoting public transport, and on increasing uptake of EVs for those private vehicle trips that remain. This is consistent with the North Sydney Transport Strategy. The strategy and action plan list a number of actions Council will take to encourage uptake in EVs, including SS10, SS11 and SS12.</p> <p>The NSW Government manages public transport. Council’s actions related to public transport relate to advocacy (SS6 and SS7).</p>	No change to the strategy	2b
21f			The council needs to set clearer, sooner targets, rather than just saying sometime in the next 9 years.	Council is committing to achieve the targets by 2030 (or 2025 in some cases) or earlier, and has listed timeframes for specific actions.	No change to the strategy	2b

Amendment to Draft Environmental Sustainability Strategy 2030 SUBMISSIONS SUMMARY (Exhibition Period 1-28 June 2021)						
No.	Name and Address	Issue/Theme	Key Points Raised	Council Response	Recommended Action	Criteria
22a	Harrison Precinct	Sustainable Transport	Improving pedestrian safety also needs to be explored eg safer passage across Military Road, improve safety at traffic lights for pedestrians.  Improving pedestrian amenity - more shade or protection from elements	Pedestrian safety and amenity, while related, are addressed in other Council plans and strategies including the North Sydney Traffic & Pedestrian Study.	No change to the strategy	2a
22b		Resource Recovery	More education about what can and can't be recycled needed	The Strategy identifies several waste education actions, including ES17, RR1, RR7 and RR10	No change to the strategy	2b
22c		Resource Recovery	NSC should provide labels for bins similar to Mosman Council	North Sydney provides similar labels. These are available by contacting Council on <a href="mailto:council@northsydney.nsw.gov.au">council@northsydney.nsw.gov.au</a> or 02 9936 8100, or from our customer service counter.	No change to the strategy	2b
22d		Resource Recovery	10% Target increase for resource recovery by 2030 is insufficient - need to increase	The target of "10% reduction in tonnes of waste generation per household from 2019/20 levels before 2030" is consistent with the state government's newly released Waste and Sustainable Materials Strategy.	No change to the strategy	2c
22e		Resource Recovery	Kitchen to Compost: collection of compostable food scraps from households operate in several other LGAs including Woollahra and Randwick - trial is to commence in North Sydney but slow rollout (weekly collection needed)	This is addressed in the Resource Recovery section of the strategy including through action RR15 to "Conduct a food waste trial to reduce the amount of organic waste going to landfill".	No change to the strategy	2b

Amendment to Draft Environmental Sustainability Strategy 2030 SUBMISSIONS SUMMARY (Exhibition Period 1-28 June 2021)						
No.	Name and Address	Issue/Theme	Key Points Raised	Council Response	Recommended Action	Criteria
22f		Resource Recovery	Community composting is another method which needs further trialling e.g. in parks or other open spaces and stipulate in new development to have a compost area	While community composting has not yet been explored outside of the existing community gardens, Action RR15 in the strategy is to "Conduct a food waste trial to reduce the amount of organic waste going to landfill". Council's support for home composting through the provision of worm farming and composting workshops is also included in the strategy. The following action will be added to the Environmental Sustainability Strategy Action Plan: "Continue to provide subsidised compost bins and worm farms to local residents."  Action RR5 in the strategy is to "Improve development controls for multi-unit developments ensuring adequate onsite space for bin collection for waste recycling, greenwaste and storage of source separated". This could include compost.	Action to be included	1e
22g		Resource Recovery	Provide separated bins (including bins specifically for used coffee cups) for sorting of waste in high pedestrian zones e.g. North Sydney CBD, Crows Nest, Neutral Bay etc - the current one bin system hinders the recycling message. Coffee cup recycling (e.g. 'Simply Cups') currently on trial in Mosman Council)	Public place recycling is fraught with contamination issues, meaning that the collected material cannot be recycled.	No change	2e
22h		Resource Recovery	Current co-mingling of domestic recyclables creates little incentive for households to manage their waste better. Residents are unable to assess visually/informally how much waste they are creating within each category. Previously residents could see at a glance that their plastic or paper recycling bin was full. Co-mingling "masks" the message of recycling.	Waste storage constraints in a high density area like North Sydney makes it challenging to allocate additional bins for more source separation. It is therefore likely that alternative options will be considered to achieve Council's 80% recycling rates for municipal solid waste before 2030.	No change to the strategy	2e

Amendment to Draft Environmental Sustainability Strategy 2030 SUBMISSIONS SUMMARY (Exhibition Period 1-28 June 2021)						
No.	Name and Address	Issue/Theme	Key Points Raised	Council Response	Recommended Action	Criteria
22i		Resource Recovery	Establish EARN & RETURN deposit collection points within the LGA (nearest is at Taronga Zoo or Lane Cove)	This is consistent with the resource recovery targets. Action to be added to “Continue to work to establish a Return and Earn collection point in a suitable location”	Action to be included in the strategy	1e
22j		Resource Recovery	Offer a competition or incentive for households who can demonstrate saving in waste	North Sydney already has the lowest volume based waste charge compared with other Councils as well as a volume based garbage charge system as an incentive to reduce waste generation.	No change	2b
22k		Sustainable Transport	Fast Charge Points for electric vehicle to be made compulsory in all new developments	This is addressed by action SS11 in the action plan: “Strengthen planning controls to ensure car parking areas are designed and constructed so that EV charging points can be Installed”	No change to the strategy	2b
22l		Sustainable Transport	more Fast Charge Points to be installed in more council car parks – needed for residents who do not have off-street parking	This is addressed by Action SS10 in the strategy which is to “Develop a Public Parking EV Charging Infrastructure Strategy”	No change to the strategy	2b
22m		Sustainable Transport	consider incentives to install such points in older developments	Council provides free building assessments and tailored feasibility reports detailing all the steps that need to be taken to help with EV charging, as well as substantial assistance to help with implementation through its Futureproofing Apartments Program. Action ES5 will be updated to includes this program. Ie: “Implement school, business and community programs to reduce their local ecological footprint (incl: School grants, Sustainable food, City Switch, Better Business Partnership, Future Proof Apartments Program)”	Action to be included in the strategy	1e
22n		Sustainable Transport	current strategy focused heavily on cycling options. What are the alternative transport options for residents who are unable by disability, age or circumstances to cycle (e.g. parents of young children)	To guide Council’s strategic transport planning and decision making, its Transport Strategy established a modal hierarchy with walking being the highest priority, then cycling, public transport, local deliveries & freight and lastly private vehicles.	No change to the strategy	2b



Amendment to Draft Environmental Sustainability Strategy 2030 SUBMISSIONS SUMMARY (Exhibition Period 1-28 June 2021)						
No.	Name and Address	Issue/Theme	Key Points Raised	Council Response	Recommended Action	Criteria
22o		Sustainable Transport	Community Transport options: e.g. Mosman style electric shuttle bus	North Sydney Council actively supports and enables residents of North Sydney LGA who have difficulty using mainstream public transport services so that they can participate in their own community and that people can maintain their own health, wellbeing and independence. Its <a href="#">Community Connect Transport</a> service offers a Council Shuttle Services for local residents including shopping trips to Woolworths in Neutral Bay on Wednesdays and Fridays. They also provide a shuttle service within the North Sydney LGA every Thursday.	No change to the strategy	2b
23a	Heather McCabe	Resource Recovery	North Sydney Council offers the kerbside collection service far too regularly. I have been a resident of North Sydney for over six years and in that time have witnessed an alarming trend in what can only be described as the wholesale dumping of entire apartments worth of household goods, furniture, clothing, car parts, food wrappers and containers (some full) onto the kerb (sometimes spilling across the pavements, driveways and into the road).	Household clean-up services are an important part of Council's waste collection program given the high proportion of residents living in units with limited storage space. They must be booked in, and strict collection criteria and limits apply. In the absence of this service, illegal dumping rates would significantly rise in the area, which would not only create amenity issues but at the same time will influence mobility on footpaths.	No change to the strategy	2e
23b		Resource Recovery	As a member of this council electorate, I would like to see for myself exactly how waste and resource recovery is handled.	Resident tours to Council's materials recovery facility in Smithfield are currently on hold due to covid restrictions. These will be reintroduced in due course and promoted via Council's website.	No change to the strategy	2b
23c		Resource Recovery	I don't understand why the '10% reduction in tonnes of waste generation per household' is so unambitious? 9 years is a long time and with some real energy in this space, we could and should achieve a much higher reduction.	The target of "10% reduction in tonnes of waste generation per household from 2019/20 levels before 2030" is consistent with the state government's newly released Waste and Sustainable Materials Strategy.	No change to the strategy	2e

Amendment to Draft Environmental Sustainability Strategy 2030 SUBMISSIONS SUMMARY (Exhibition Period 1-28 June 2021)						
No.	Name and Address	Issue/Theme	Key Points Raised	Council Response	Recommended Action	Criteria
23d		Resource Recovery	The language used in the 'What we will do to achieve our targets' section is timid and wishy-washy (explore options, encourage, support) and should go a lot further with far more concrete and inspiring ambitions.	The wording is appropriate given the context.	No change to the strategy	2e
23e		Resource Recovery	In the 'What we have achieved so far' section, bullet point 2 "Consistent advocacy for over a decade for container deposit legislation" should probably have been omitted as it seems to suggest that Council haven't achieved much in this space	Council's consistent advocacy contributed towards the establishments on the Return and Earn scheme commencing across NSW on 1 December 2017.	No change to the strategy	2e
23f		Resource Recovery	The last bullet point "Council exceeded past targets set by government, with landfill diversion rates amongst the highest in the state before the EPA NSW ban on separating and processing organic material from general waste came into place" is celebrating something that clearly didn't work and was bad for the environment, hence it was banned. And let's stop blaming China for the waste we should be taking responsibility for.	Council participated in a program that was approved and the most appropriate alternative waste treatment technology available at the time.  Council recognizes that there is a need for the establishment of domestic processing plants, including for plastic pellets, glass etc.	No change to the strategy	2e



# NORTH SYDNEY ENVIRONMENTAL SUSTAINABILITY STRATEGY 2030



## STRATEGIC CONTEXT

**Photo credits:**  
Water with jelly fish: Laura Stone | Kayaks: Laura Stone | Fruitbat: Matt Wright

Sustainability is one of Council’s eight core values. As such, equity, preservation, justice and precaution are important principles that help focus everything we do at North Sydney. Sustainability is a complex and multi-faceted concept involving interactions between environmental, social, economic and governance factors to achieve “peace and prosperity for people and the planet, now and into the future” (UN 2030 Agenda for Sustainable Development). This strategy relates specifically to environmental sustainability and sets targets for Council’s own operations and the community to help achieve our environmental goals. These include acting on Council’s climate emergency declaration, protecting native plants and animals, looking after our waterways, reducing waste to landfill and using resources wisely.

This strategy builds on Council’s issue specific plans and other strategies that help Council and the community to reduce our environmental footprint. Its targets are also informed by ABS data and projections, the North Sydney community profile, and the planning priorities and actions identified in relevant state and national plans and strategies. Its themes and targets are aligned with the Sustainable Development Goals of the United Nations 2030 Agenda for Sustainable Development. The Sustainable Development Goals are the international best practice standard for sustainability reporting and are used by all levels of government in Australia and almost half of the ASX 200 companies in their business plans and annual reports.

## OUR VISION FOR 2030

This strategy aims to help fulfil Council's vision for North Sydney including that by 2030:

- North Sydney is sustainable.
- The natural environment is able to sustain the effects of population growth, now and into the future.
- North Sydney's natural environment is defined by extensive bushland and the foreshore of Sydney Harbour, where foreshore access has been maximised.
- The North Sydney community actively looks after the environment for current and future generations making sure that North Sydney remains clean and healthy.
- Participant numbers in initiatives such as Bushcare, Streets Alive and community gardens have increased.
- North Sydney has built its resilience to natural hazards. North Sydney has reduced its environmental impact by making efficient use of energy and water resources; shifting towards renewable energy resources; conserving resources; and minimising waste.
- North Sydney's natural environment is accessible to all, for a wide range of social and recreational opportunities that do not compromise environmental values.
- North Sydney has a network of green spaces and corridors linking bushland, waterways and parks throughout.
- Natural environments such as Balls Head, Berry Island, Tunks Park, Anderson Park, Cremorne Point Reserve and St Leonards Park are appealing and enjoyable.
- The Coal Loader Centre for Sustainability and its green roof platform are a hub for learning and meeting up with family and friends.
- The way people move around North Sydney will have improved. North Sydney has integrated transport system that make it easy to get to and around the local government area. North Sydney has a wide choice of transport. People can cycle, walk, take public transport or drive a vehicle. Public transport is efficient offering a good alternative to cars.
- Car ownership will decrease as more people take up car share options. Bike share, whilst still a self governed model, will be well maintained, well utilised and not perceived as an eye sore.



## 1. OUR CARBON FOOTPRINT

North Sydney Council has been proactively reducing greenhouse gas (GHG) emissions for many years in an effort to reduce its energy consumption and its impact on climate change. Council set its first greenhouse gas reduction targets for Council operations and the community in 2002 as part of the International Council for Local Environmental Initiatives (ICLEI) Cities for Climate Protection (CCP) program and established its first Greenhouse Action Plan in the same year to provide strategic guidance to help Council prioritise and implement its greenhouse gas reduction activities to achieve its targets. As a result, Council achieved a 32% reduction in GHG across its operations by 2017 from 1996 levels, and an 18% reduction in community emissions.

On 22 July 2019, through a unanimous vote, Council became the 30th Australian Council to declare a climate emergency requiring immediate action by all levels of government. It did so noting the latest report of the Intergovernmental Panel on Climate Change (IPCC) 'Global Warming of 1.5 degrees Celsius' and the Federal Government's latest emissions data showed that we are increasing, not reducing, our carbon emissions. Council's 2030 targets and actions respond to the climate crisis and provide a roadmap to accelerate towards a carbon neutral future.

### Where we want to be

1. 100% of Council's electricity needs are met by renewable energy sources before 2030
2. 100% carbon neutrality for Council operations achieved before 2030
3. 25% greenhouse gas reduction of 1996 community emission levels before 2030

### How we are tracking

1. 100% of Council's electricity needs are met by renewable energy sources before 2030	54% 2019/20	100% 2030
2. 100% carbon neutrality for Council operations achieved before 2030	32% 2016/17	100% 2030
3. 25% greenhouse gas reduction of 1996 community emission levels before 2030	18% 2016/17	25% 2030

## What we have achieved so far

- Energy efficient upgrades of Council facilities including:
  - optimisation and upgrades of major building management systems, and heating and cooling systems
  - lighting upgrades to LED with smart controls
  - optimisation of energy management systems at North Sydney Olympic Pool
- Renewable energy generation and purchase including:
  - installation of 435 kW solar photovoltaic (PV) across various Council facilities which in 2019/20 supplied 6% of Council's electricity demand
  - heat pump hot water systems, replacing gas
  - purchasing renewable energy for more than 30% of Council's electricity consumption
- Working with the North Sydney residential and business community to reduce the carbon footprint of the whole LGA including:
  - engaging more than 120 apartment buildings through Council's Futureproofing Apartments program resulting in average base building energy savings of 59%
  - hundreds of residents attending energy conservation and renewable energy workshops, expos, and events
  - engaging the local business community through networking, workshops and in-house support

## What we will do to achieve our targets

- Regularly conduct energy audits and efficiency upgrades of all Council facilities
- Invest in generating more renewable energy at Council facilities
- Increase our renewable electricity purchase from 35% to 100%
- Pursue improvements to North Sydney's street lighting network
- Implement efficiencies for Council owned public lighting
- Investigate the feasibility of divesting from fossil fuels
- Develop a strategy to electrify Council operations and equipment to utilise electricity from renewable sources in favour of fossil fuels including gas
- Purchase carbon offsets for Council's residual emissions to become carbon neutral
- Investigate opportunities to provide residential and business rebates for energy conservation and renewable energy
- Review and update the energy provisions in Council's planning controls to incorporate best practice energy management measures and support a transition to electricity from renewable sources in favour of fossil fuels including gas
- Investigate opportunities to create a 'Green Precinct' for North Sydney businesses (i.e. a distributed energy generation network that can provide an alternative to grid supplied electricity and gas networks)
- Investigate opportunities to facilitate the purchase of electricity from renewable sources for the North Sydney community and deliver renewable energy at the lowest possible cost
- Identify opportunities for accelerating smart technology solutions for better energy/environmental management in the LGA



## 2. WATER CONSERVATION

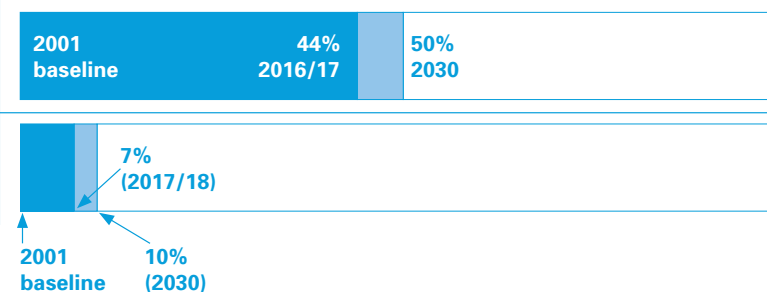
North Sydney first set water reduction targets and action plans for Council and community water use in 2004 in response to the millennium drought. In early 2020 Sydney was again in drought, the worst on record in greater Sydney. While water consumption fluctuates due to rainfall and other climatic patterns, North Sydney Council is committed to implementing water management strategies that respond to a hotter and drier climate. This necessitates maintaining our ambitious water

reduction targets as well as building on our legacy of clever water reuse engineering, coupled with effective and informed demand management strategies. Audits of water saving opportunities for Council's buildings and irrigated sports fields were conducted in 2019 and 2020 to inform and prioritise actions to continue on its water conservation trajectory.

### Where we want to be

- 4. 50% potable water use reduction in Council operations from the 2001/02 baseline before 2030
- 5. 10% reduction in the North Sydney community's potable water use from the 2001/02 baseline before 2030

### How we are tracking





## What we have achieved so far

- Installation of an award-winning stormwater harvesting and reuse system that replaces 30 million L of potable water per year at Cammeray golf course, North Sydney Oval, St Leonards, Primrose, Tunks and Forsyth Parks
- Regular audits and water efficiency upgrades of all Councils facilities
- Installation of rainwater tanks at various Council facilities totalling a capacity of 643,250L for irrigation, street cleaning and toilet flushing
- Working with the North Sydney residential and business community to reduce their potable water consumption by:
  - Delivering regular community water conservation education workshops
  - Funding the installation of water tanks at local schools
  - Providing water conservation advice, including audits and action plans, to local businesses

## What we will do to achieve our targets

- Strongly advocate for the protection of Council's stormwater harvesting and reuse system throughout the Western Harbour Tunnel consultation, construction and operation
- Regularly conduct water audits and efficiency upgrades of Council's parks and facilities
- Install additional rainwater tanks and water reuse systems at Council parks and facilities
- Review and update the water provisions in Council's Local Environment Plan (LEP) and Development Control Plan (DCP) to encourage the reuse of greywater, rainwater and stormwater through the development control process
- Enhance open spaces with smart technology to reduce potable water consumption
- Adopt and implement Council's Sustainable Building Standards for Council owned facilities
- Implement water conservation community and business education programs
- Investigate opportunities to provide rebates to the community and businesses for water use improvements



### 3. WATER QUALITY

In urban areas like North Sydney, impervious surfaces like roads, roofs and stormwater drains have significantly changed natural flows, increasing the amount and velocity of water reaching the receiving waterways. Increased runoff and pollution from a variety of sources also cumulatively reduce water quality. Stormwater from the North Sydney LGA flows into Middle Harbour and Port Jackson, including via bushland

areas like Smoothery Park and Tunks Park. Council is strongly committed to minimising adverse impacts on these special areas and monitors several locations throughout the LGA to help us better understand and manage the many factors that contribute to water quality.

Where we want to be	How we are tracking				
6. 70% compliance with the Australian and New Zealand guidelines for fresh and marine water quality at Council's water quality monitoring sites before 2030	<table border="1"> <tr> <td>65%</td> <td>70%</td> </tr> <tr> <td>2016/17</td> <td>2030</td> </tr> </table>	65%	70%	2016/17	2030
65%	70%				
2016/17	2030				
7. 90% of stormwater in North Sydney's catchments is treated by Stormwater Quality Improvement Devices before 2030	<table border="1"> <tr> <td>59%</td> <td>90%</td> </tr> <tr> <td>2016/17</td> <td>2030</td> </tr> </table>	59%	90%	2016/17	2030
59%	90%				
2016/17	2030				
8. 10% more material (3940t) is kept out of our waterways by Council's stormwater improvement programs than in 2019 (3582t) before 2030	<table border="1"> <tr> <td>3582t</td> <td>4016t</td> </tr> <tr> <td>2019</td> <td>2030</td> </tr> </table>	3582t	4016t	2019	2030
3582t	4016t				
2019	2030				

## What we have achieved so far

- Council operates proactive street sweeping and pit cleaning programs which removed 3048t of material in 2019
- Installation of 26 Stormwater Quality Improvement Devices (SQIDs) including Gross Pollutant Traps (GPTs) that removed a further 527.6t of material in 2019
- Installation of five water sensitive urban design systems, to increase water permeating into the soil, reducing flooding and nutrient and sediment load
- Implementation of catchment education and litter prevention initiatives, in particular Council's HarbourCare volunteer program which has been extended to several other Council areas. In 2019 HarbourCare volunteers removed 6.7t of materials from our foreshore areas.

## What we will do to achieve our targets

- Regularly monitor local waterway conditions
- Develop an Integrated Stormwater Strategy
- Integrate WSUD on public and private land wherever possible to detain and treat urban stormwater
- Continually improve Street Sweeping to capture debris before entering the stormwater systems
- Maintain, upgrade, replace and install new GPTs to effectively capture storm water pollution and debris from entering the harbour
- Strengthen measures to reduce stormwater pollution incidents from building sites
- Continue to collaborate with the Sydney Coastal Councils Group and NSW Government to develop appropriate coastal management practices on a catchment wide scale through a Coastal Management Program (CMP)
- Support the HarbourCare program
- Carry out Catchment Education Programs



## 4. ENGAGEMENT IN SUSTAINABILITY

North Sydney residents are an active and engaged community with a long history of working together to achieve positive outcomes for the environment through individual and collective action. To support the ongoing transition to more sustainable ways of living and doing business, Council coordinates a range of activities designed to suit the needs and areas of interest of our residents, businesses and school communities. According to UNESCO (United Nations Educational, Scientific and Cultural

Organization) “education alone cannot achieve a more sustainable future; however, without education and learning for sustainable development, we will not be able to reach that goal”. Council subscribes to this sentiment and employs environmental education and engagement as vital tools to help achieve its environmental sustainability targets.

### Where we want to be

- 9. 12,000 annual participants in Council’s environmental sustainability engagement activities before 2030
- 10. 90% of participants in Council’s environmental sustainability engagement activities are motivated and enabled to take actions to improve environmental sustainability outcomes before 2030

### How we are tracking

	10837 2018/19	12000 2030
	90% 2020 - 2030	

## What we have achieved so far

- Delivered more than 100 workshops, events, and activities every year, many hosted at the Coal Loader Centre for Sustainability
- 57,500 hours over 10 years contributed to improving local environmental outcomes by members of Council's various volunteer programs including Bushcare, Adopt-a-Plot, Wildlife Watch, Native Havens, Streets Alive, community gardens and Harbourcare
- Ongoing support to the local business community through Council's award-winning Sustainable Business Programs
- More than 3000 participants in Council's 2019 sustainable transport education initiatives including the North Sydney Bike Brekkie, and school active travel programs.
- Establishment of more than 120 local food gardens, including many communal apartment building gardens, in the last 6 years through the Harvest North Sydney Program
- 10 years of annual school grants which have funded rainwater tanks, kitchen gardens, biodiversity trails, litter audits and student engagement programs
- Development of detailed energy and water reports for 97 strata buildings participating in Council's Futureproofing Apartments program between Jan 2019 and July 2020 resulting in 195 tCO<sub>2</sub>e annual emission savings with more expected as other identified projects are implemented over time

## What we will do to achieve our targets

- Continue to be guided with sustainability as a core value of Council
- Demonstrate environmental sustainability practices at community events and in Council's operations
- Support Council's cross organisational sustainability team
- Regularly train and support Council staff in implementing sustainability practices
- Continue to support and expand community volunteer programs, including Bushcare, Adopt-a-Plot, Wildlife Watch, Native Havens, Streets Alive, community gardens and Harbourcare
- Continue to support schools, businesses and residents to achieve environmentally sustainable best practice
- Recognise, develop and celebrate community, businesses and Council staff sustainability champions
- Work with the community to reduce waste, and to use waste more efficiently
- Implement community education campaigns that encourage active transport/use of public transport and alternative modes of transport
- Develop and implement an Urban Forest Education Program to convey to all stakeholders the value and importance of urban forests in achieving sustainability outcomes
- Increase community resilience to climate change impacts
- Trial an environment group in residence space at the Coal Loader Centre for Sustainability



## 5. URBAN ECOLOGY

Less than five percent of the original (pre-European settlement) bushland vegetation remains in North Sydney and primarily occurs in narrow, fragmented reserves that are vulnerable to urban pressures. Despite the small, fragmented and highly impacted character of bushland in North Sydney, a surprising diversity of native plants and animal remain. This is due largely to the ongoing active management of all bushland areas involving staff, contractors and local volunteers, guided by Council’s Bushland Rehabilitation Plans and its Bushland Plan of Management. However, fragmentation remains one of the greatest threats to biodiversity conservation in North Sydney, and bridging these divides is key to the survival of native fauna and flora, particularly in the face of a rapidly changing climate.

Trees and shrubs, including exotic species, provide habitat and connectivity for wildlife as well as a range of other environmental benefits including energy conservation through shade and cooling, reduction of atmospheric contaminants, carbon sequestration, and reduction in stormwater runoff. Total canopy cover however has declined from 33.9% in 2008 to 28.2% in 2017, with the losses primarily in suburban areas and on private land. Council is committed to reversing this trend and developed an Urban Forest Strategy in 2019 to provide a roadmap to achieve this increase in canopy cover for the LGA.

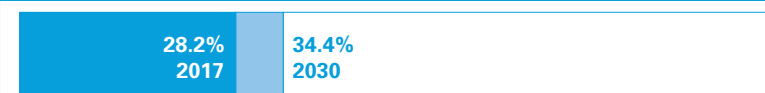
### Where we want to be

11. 80% of bushland is in good condition before 2030

12. Maintain or increase number of locally native fauna and flora species found in North Sydney compared to 2010 levels until 2030

13. 34.4% total canopy cover before 2030

### How we are tracking



## What we have achieved so far

- Continued bushland rehabilitation works since the mid 1980's
- Investment of resources into ecosystem enhancement activities such as building species diversity, habitat complexity, reserve connectivity, ecological burns and addressing external impacts such as stormwater outlets, feral animal control, garden escape weeds and tree vandalism
- Regeneration of several plant species, previously unrecorded in the local government area, following managed eco-burns
- The return of Long-nosed Bandicoots, Swamp Wallaby and Superb Lyre-bird to several North Sydney bushland reserves following decades of local extinction.
- Supply of over 16,000 endemic tubestock plants to local residents through the Native Havens program over the last 15 years, as well as native beehives, insect hotels and nest-boxes to provide habitat and improved connectivity between bushland reserves
- Establishing buffer zones through our development controls that strengthen connectivity and ensure local native plants, as well as habitat features are incorporated in the landscape design of properties near bushland areas
- Adopting planning studies that enable increased deep soil planting in centres
- Working with other public land managers in the Sydney north region to implement coordinated fox control since 2000
- Working in partnership with several Sydney-based universities for over 20 years to make our seawalls some of the most habitat friendly in the world

- Developing an Urban Forest Strategy in 2019
- Planting of more than 400 street and park trees per annum, providing corridors and linkages between fragmented bushland

## What we will do to achieve our targets

- Develop and implement an Urban Forest Incentives Program to encourage and reward community members that contribute to the urban forest vision
- Regularly assess the North Sydney urban forest canopy cover using aerial imagery
- Continue working to conserve and rehabilitate our bushland, coordinate the Bushcare Program and facilitate community tree planting events
- Integrate street tree planting and other landscape treatments to improve microclimates and biodiversity
- Implement the Bushland Rehabilitation Plans effectively and with appropriate resourcing levels
- Identify opportunities to create and/or enhance green corridors linking bushland within North Sydney and in neighbouring Council areas
- Conserve the habitats of threatened species and implement actions that foster their recovery
- Identify further opportunities to maximise deep soil opportunities in centres and densely populated areas in planning studies.



## 6. RESOURCE RECOVERY

North Sydney Council has a long history of demonstrating leadership in waste management. Landfill diversion rates have consequently been amongst the highest in the state and certainly in the region. Council has been at the forefront of waste processing for many years and has consistently been rated highly in striving to meet and exceed the NSW EPA's landfill diversion targets. Changes in the waste industry have caused significant uncertainty which in the short and medium term will set back Council's efforts to divert waste from landfill and increase recycling rates.

Until 2019, all mixed solid waste received in Council's red bins was processed through an alternative waste facility, where organic material was separated, composted and utilised for mine site rehabilitation and

on agricultural land but issues with the quality of the organic product led to an EPA NSW ban on this processing practice. Significant investment will be required at a state and federal level over the next 10 years to deliver adequate alternative waste treatment infrastructure to enable Council to meet its aspirational waste diversion from landfill target. Council also needs to look at new ways of managing its waste.

Similarly, in 2017 China announced it would no longer accept recyclable materials from around the globe including Australia due to the contamination levels of materials exported to China. Due to Council's recycling contract, most of North Sydney's recycling stays in Australia, but this may change in the future at the contactor's discretion.

### Where we want to be

### How we are tracking

14. 10% reduction in tonnes of waste generation per household from 2019/20 levels before 2030	<table border="1"> <tr> <td>0.358t 2019/20</td> <td>10% 2030</td> </tr> </table>	0.358t 2019/20	10% 2030
0.358t 2019/20	10% 2030		
15. 80% recycling rates for municipal solid waste before 2030	<table border="1"> <tr> <td>37% 2018/19</td> <td>80% 2030</td> </tr> </table>	37% 2018/19	80% 2030
37% 2018/19	80% 2030		
16. 70% waste diversion from landfill before 2030	<table border="1"> <tr> <td>39% 2018/19</td> <td>70% 2030</td> </tr> </table>	39% 2018/19	70% 2030
39% 2018/19	70% 2030		
17. Council's operations will be free of unnecessary single use plastics before 2025	<table border="1"> <tr> <td>62,646 items purchased 2018/19</td> <td>0 items purchased 2025</td> </tr> </table>	62,646 items purchased 2018/19	0 items purchased 2025
62,646 items purchased 2018/19	0 items purchased 2025		

North Sydney Council Environmental Sustainability Strategy 2030



## What we have achieved so far

- Operation of the Community Recycling Centre (CRC) in Artarmon on behalf of five other councils in the northern Sydney region
- Consistent advocacy for over a decade for container deposit legislation
- Introduction of the first kerbside e-waste collection system in NSW
- Introduction of the first volume-based garbage charge system to encourage the uptake of reduced-size garbage bins and incentivise residents to recycle more
- Provision of a suite of resource recovery education programs and workshops to the community, including the first worm farming, composting and green cleaning workshops in NSW
- Adoption of a Single Use Plastics Policy in 2019 that applies to all Council operations as well as third party activities conducted in Council owned venues and parks
- Council exceeded past targets set by government, with landfill diversion rates amongst the highest in the state before the EPA NSW ban on separating and processing organic material from general waste came into place

## What we will do to achieve our targets

- Continue to support, initiate and promote waste related workshops and community events
- Continue to collaborate with Northern Sydney Regional Organisation of Councils (NSROC) to incentivise the private commercial industry in investing in innovative and sustainable waste/recycling processing options
- Explore options for resource recovery and alternative waste treatment
- Ensure Council's waste and recycling services continue to support the community in their desire to live more sustainably
- Encourage building design and construction techniques which will minimise future waste generation
- Improve development controls for multi-unit developments ensuring adequate onsite space for bin collection for waste recycling, greenwaste and storage of source separated household waste including future additional waste streams
- Implement measures to increase range of materials that can be recycled by households e.g. mattresses, polystyrene, clothing
- Implement measures to increase resource recovery from pre-booked household clean up collection
- Support the ongoing implementation of Council's Single Use Plastics Policy
- Review and update Council's procurement processes to reduce extraction and production and increase recycled content of purchased materials
- Conduct a food waste trial to help divert this waste from landfill



## 7. SUSTAINABLE TRANSPORT

In 2016-17 transport generated 18.5% of the North Sydney LGA’s greenhouse gas emissions, representing the second most significant portion of emissions generated in North Sydney after electricity consumption. Supporting a shift to travel modes that produce less GHG emissions will therefore play an important role in reducing our carbon footprint.

We are also experiencing a period of rapid transformation in travel

behaviour, which among other things is likely to lead to declining car ownership rates, reduced uptake of drivers licences by younger adults and increasing demand for electric vehicle charging facilities. To support these trends, Council adopted a Transport Strategy that prioritises walking, cycling, public transport and local deliveries over private vehicle use. This modal hierarchy will be applied to the development of all relevant Council policies.

### Where we want to be

- 18. Before 2030, 85% of residents and workers travel to and from work using modes of transport other than sole occupant vehicles
- 19. Increase percentage of households with “no motor vehicles” to 25% before 2030
- 20. Increase non-Internal combustion engine vehicles purchased by North Sydney Council residents to 50% of new private vehicle sales before 2030
- 21. Reduce Council’s passenger and commercial fleet by 10% based on 2019 levels before 2030
- 22. All of Council’s passenger and commercial fleet, excluding specialised and earth moving equipment, is electric before 2030

### How we are tracking

<b>Residents</b>	80% 2016	85% 2030
<b>Workers</b>	50% 2016	85% 2030
	16.4% 2016	25% 2030
	0.7% 2018	50% 2030
	2019: 111 vehicles 2030: 100 vehicles	
	0% 2020	100% 2030

North Sydney Council Environmental Sustainability Strategy 2030



## What we have achieved so far

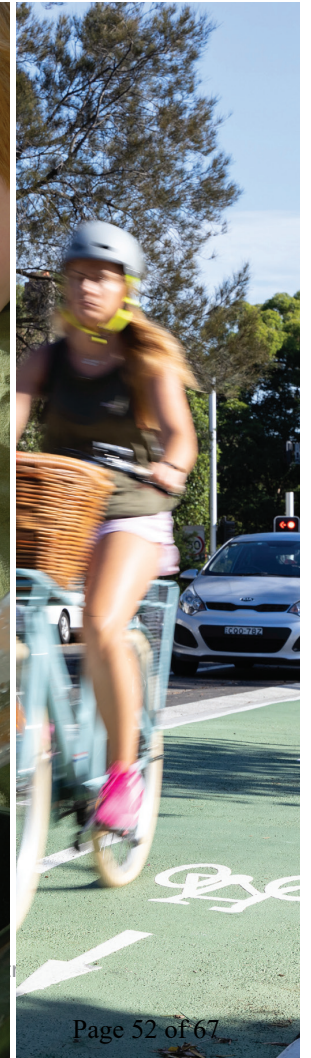
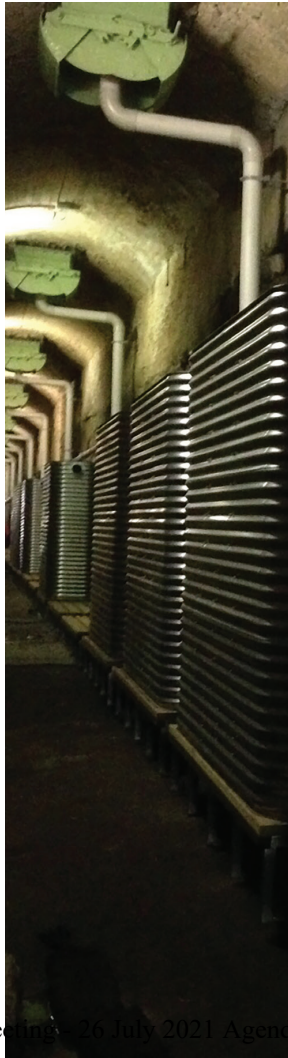
- Development of the 2017 North Sydney Transport Strategy
- Installation of 7.5 kilometres of cycle paths and cycle route upgrades between 2015 and 2019
- Installation of more than 120 bike parking rails between 2015 and 2019
- Supporting the growth of the car share market by increasing dedicated car share spaces from 25 in 2008 to 146 in 2019
- Working with the NSW State Government to plan for regional cycling connections within the North Sydney LGA and to surrounding areas
- Development of the North Sydney CBD Transport Masterplan, North Sydney CBD Public Domain Strategy and ongoing participation in TfNSW's North Sydney Integrated Transport Program (NSITP) that will deliver improved place, walking, cycling and public transport outcomes in and around the North Sydney CBD in time for the opening of Victoria Cross Metro Station
- Installation of 10 EV chargers across Council car parking stations in 2019
- Adopted planning studies for St Leonards/Crows Nest, Neutral Bay and Civic Precinct that promote walking, cycling and public transport use

## What we will do to achieve our targets

- Implement the North Sydney Transport Strategy's modal hierarchy
- Construct footpaths and cycleways
- Facilitate, advocate and provide opportunities for improved public transport use, alternative modes of transport and end of trip facilities
- Identify precincts located outside of the walkable catchments of high-quality public transport services and either directly deliver or advocate for initiatives that improve public transport access in these areas
- Incentivise use of public transport and lower impact vehicles
- Compare the relative accessibility of regional destinations by private vehicle and public transport and identify projects that improve public transport access to regional destinations
- Assess the suitability of existing and proposed parking and traffic infrastructure to identify where the targeted application of parking policy and demand management initiatives may support reduced car ownership and use, provide more equitable access to parking and reduce traffic volumes in North Sydney.
- Strengthen planning controls to increase the availability of car share schemes
- Encourage electric car share providers in preference to those with internal combustion engines
- Develop a public parking EV charging infrastructure strategy
- Strengthen planning controls to ensure car parking areas are designed and constructed so that EV charging points can be installed
- Switch all of Council's passenger and commercial fleet, excluding specialised and earth moving equipment, to electric vehicles



## 8. ACTION PLAN



ACTION PLAN: CARBON FOOTPRINT					
#	Action	Related Target	Performance Measures	Timeframe	Responsible Council Department(s)
CF1	Conduct and implement findings of energy audits at Council facilities	2	Audits completed Actions implemented	Every 4 years Ongoing	Environmental Services Property Assets
CF2	Adopt and implement the Sustainable Building Standards for Council owned facilities to reduce their energy related carbon footprint	1, 2	Evidence of implementation Tonnes CO2e saved	Ongoing	Environmental Services Property Assets
CF3	Increase Council's renewable energy capacity	1	Combined kW of Council's renewable energy generation capacity	Ongoing	Property Assets Environmental Services
CF4	Purchase 100% renewable electricity	1, 2	100% of Council's electricity is renewable	2030	Property Assets Environmental Services
CF5	Purchase carbon offsets for the residual emissions to achieve carbon neutrality	2	Carbon neutrality is achieved	2030	Environmental Services
CF6	Undertake regular energy monitoring	1	Monitoring completed	Quarterly	Environmental Services Property Assets
CF7	Consider the impacts of climate change, including urban heat, in Council's plans, strategies and policies	1,2, 3	% of plans, strategies and policies that consider the impacts of climate change	Ongoing	Environmental Services Strategic Planning Corporate Planning & Engagement
CF8	Pursue improvements to North Sydney's street lighting network	2	Tonnes CO2e saved	Ongoing	Traffic & Transport Operations
CF9	Identify opportunities for accelerating smart technology solutions for better energy/environmental management in the LGA	1, 2, 3	Smart technology implemented	Ongoing	Environmental Services Strategic Planning
CF10	Review planning controls to drive a lower embodied carbon footprint during the design and construction phase of both commercial and residential buildings	3	Review completed	2022/23	Strategic Planning Environmental Services
CF11	Implement efficiencies for Council owned public lighting	2	Tonnes CO2e saved	Ongoing	Asset Management Parks & Reserves Environmental Services

ACTION PLAN: CARBON FOOTPRINT					
#	Action	Related Target	Performance Measures	Timeframe	Responsible Council Department(s)
CF12	Review and update the energy provisions planning controls to incorporate best practice energy management measures	3	Review completed	2022/23	Environmental Services Strategic Planning Development Services
CF13	Investigate opportunities to provide residential and business rebates for energy conservation and renewable energy	3	Review completed	2021/22	Environmental Services Development Services
CF14	Advocate that the NSW and Federal governments respond to the climate emergency through a range of measures, including higher BASIX targets and reintroducing a price on carbon, to incentivise higher resource use standards and support the transition to high performing energy buildings	1, 2, 3	Evidence of advocacy	Ongoing	Environmental Services Strategic Planning
CF15	Electrify Council operations and equipment to utilise electricity from renewable sources in favour of fossil fuels including gas	2	Electric equipment purchases	Ongoing	Property Assets Works Engineering Environmental Services
CF16	Investigate the feasibility of divesting from organisations associated with fossil fuels	2	Feasibility assessment completed	2023/24	Financial Services Environmental Services
CF17	Facilitate presentations by community energy organisations	3	Number of presentations facilitated	Ongoing	Environmental Services
CF18	Investigate opportunities to create a distributed energy generation network that can provide an alternative to grid supplied electricity and gas networks	3	Investigation completed	Ongoing	Environmental Services
CF19	Investigate opportunities to facilitate the purchase of electricity from renewable sources for the North Sydney community and deliver renewable energy at the lowest possible cost.	3	Investigation completed	Ongoing	Environmental Services

ACTION PLAN: WATER CONSERVATION					
#	Action	Related Target	Performance Measures	Timeframe	Responsible Council Department(s)
WC1	Regular water usage monitoring	4	Monitoring completed	Ongoing	Environmental Services Property Assets
WC2	Strongly advocate for the protection of Council's stormwater harvesting and reuse system throughout the Western Harbour Tunnel consultation, construction and operation	4, 5	Evidence of advocacy	Ongoing	Engineering Infrastructure Strategic Planning Environmental Services
WC3	Conduct regular water audits and efficiency upgrades of Council's parks and facilities	4	Audits completed	Every 4 years	Environmental Services Parks & Reserves Property Assets
WC4	Implement the water conservation recommendations of the 2020 Sporting Fields Water Optimisation Report	4	Actions implemented Litres of water saved	Ongoing	Environmental Services Parks & Reserves
WC5	Implement the 2019 Water Audit & Water Management Plan	4	Actions implemented Litres of water saved	Ongoing	Environmental Services Property Assets North Sydney Olympic Pool
WC6	Investigate opportunities to install additional rainwater tanks and water reuse systems at Council parks and facilities	4	Number of new rainwater tanks and reuse systems installed Litres of water saved	Ongoing	Environmental Services Parks & Reserves Property Assets
WC7	Adopt and implement Council's Sustainable Building Standards for Council owned facilities to reduce their potable water consumption	4	Evidence of implementation Litres of water saved	Ongoing	Environmental Services Property Assets
WC8	Enhance open spaces with smart technology to reduce potable water consumption	4	Smart technology implemented	Ongoing	Environmental Services Strategic Planning
WC9	Encourage the reuse of greywater, rainwater and stormwater through the development control process	5	NSLEP and DCP review completed	2022/23	Development Services

<b>ACTION PLAN: WATER CONSERVATION</b>					
#	Action	Related Target	Performance Measures	Timeframe	Responsible Council Department(s)
WC10	Review and update the water provisions in Council's planning controls to minimise the use of potable water	5	NSLEP and DCP review completed	2022/23	Environmental Services Strategic Planning Development Services
WC11	Investigate opportunities to provide rebates to the community and businesses for water use improvement	5	Review completed	2021/22	Environmental Services
WC12	Advocate to increase BASIX targets to achieve more significant potable water use reductions through the development process	5	Evidence of advocacy	Ongoing	Environmental Services Strategic Planning
WC13	Implement water conservation community and business education programs	5, 9, 10	Litres of water saved or avoided	Ongoing	Environmental Services



ACTION PLAN: WATER QUALITY					
#	Action	Related Target	Performance Measures	Timeframe	Responsible Council Department(s)
WQ1	Regularly monitor local waterway conditions	6	Quarterly monitoring completed	Ongoing	Environmental Services Environment & Building Compliance
WQ2	Develop an Integrated Stormwater Strategy	6, 7	Strategy developed	2023/24	Environmental Services Engineering Infrastructure Development Services
WQ3	Integrate WSUD on public and private land wherever possible to detain and treat urban stormwater	6, 7	Installation of WSUD devices	Ongoing	Engineering Infrastructure Development Services Environmental Services
WQ4	Continually improve street sweeping to capture debris before entering the stormwater systems	8	Tonnes of material collected	Ongoing	Environmental Services
WQ5	Maintain, upgrade, replace and install new GPTs to effectively capture storm water pollution and prevent debris from entering the Harbour	7, 8	Tonnes of material collected % of catchment treated	Ongoing	Engineering Infrastructure
WQ6	Review planning processes to strengthen measures to reduce stormwater pollution incidents from building sites	6	Planning processes reviewed	2022/23	Environmental Services Environment & Building Compliance Ranger & Parking Services
WQ7	Protect watersheds by minimising stormwater discharge and maximising stormwater quality from developments	6	Reduction in stormwater pollution incidents from developments	Ongoing	Development Services Environment & Building Compliance
WQ8	Continue to collaborate with the Sydney Coastal Councils Group and NSW Government to develop appropriate coastal management practices on a catchment wide scale through a Coastal Management Program (CMP), and incorporate the recommendations and actions of any CMP into NSLEP and NSDCP where relevant	6, 7, 8	Incorporation of CMP recommendations and actions into NSLEP and NSDCP	Ongoing	Environmental Services Strategic Planning

<b>ACTION PLAN: WATER QUALITY</b>					
#	Action	Related Target	Performance Measures	Timeframe	Responsible Council Department(s)
WQ9	Continue to liaise with adjoining Councils and relevant authorities to adopt a total catchment management approach to manage urban runoff using WSUD principles	6, 7, 8	Evidence of collaboration	Ongoing	Engineering Infrastructure Development Services Environmental Services
WQ10	Inspection of all premises with a wastewater system to monitor for compliance with legislation	6	Number of inspections completed	Ongoing	Environmental & Building Compliance
WQ11	Support the HarbourCare program	8-10	Tonnes of material collected	Ongoing	Environmental Services
WQ12	Carry out catchment education programs	6, 8-10	Programs implemented	Ongoing	Environmental Services
WQ13	Carry out litter prevention programs	8-10	Tonnes of material collected or avoided	Ongoing	Environmental Services

<b>ACTION PLAN: ENGAGEMENT IN SUSTAINABILITY</b>					
#	Action	Related Target	Performance Measures	Timeframe	Responsible Council Department(s)
ES1	Sustainability continues to be a core value of Council	1-22	Sustainability is listed as a core value of Council in its corporate documents	Ongoing	Corporate Planning & Engagement Environmental Services
ES2	Regularly train and support Council staff in implementing sustainability practices	1, 2, 4, 6, 8- 18, 21, 22	Participation numbers % of participants motivated and enabled to take actions	Ongoing	Environmental Services
ES3	Support Council's cross organisational sustainability team	1, 2, 4, 6, 8- 18, 21, 22	Participation numbers % of participants motivated and enabled to take actions	Ongoing	Environmental Services
ES4	Promote environmental sustainability practices at events and in Council operations	1-6, 10, 11, 13-20	Evidence of environmental sustainability practices at events	Ongoing	Environmental Services Communications & Events Customer Services & Records Management
ES5	Continue to support schools, businesses and residents to achieve environmentally sustainable best practice	3, 5, 6, 9-11, 13-15, 17-20	Participation numbers % of participants motivated and enabled to take actions	Ongoing	Environmental Services Traffic & Transport Operations
ES6	Recognise, develop and celebrate community, businesses and Council staff sustainability champions	3, 5, 6, 9-11, 13-15, 17-20	Regular celebrations held	Ongoing	Environmental Services
ES7	Continue to support and expand environmental volunteer programs, including Bushcare, Adopt-a-Plot, Wildlife Watch, Native Havens, Streets Alive, community gardens and Harbourcare	8-12	Participation numbers % of participants motivated and enabled to take actions	Ongoing	Environment Services
ES8	Develop a reserve-level education program to engage with bushland neighbours and enrich reserve user experience	9, 10, 11	Program developed	2030	Environmental Services
ES9	Facilitate community tree planting events	9, 13	Number of trees planted	Ongoing	Environmental Services

<b>ACTION PLAN: ENGAGEMENT IN SUSTAINABILITY</b>					
#	Action	Related Target	Performance Measures	Timeframe	Responsible Council Department(s)
ES10	Develop and implement an Urban Forest Education Program to convey to all stakeholders the value and importance of urban forests	9, 10, 13	Participation numbers % of participants motivated and enabled to take actions	2023/24	Landscape Planning & Design
ES11	Ongoing implementation of the Bushcare workshops, events and school holidays program, that aims to enhance community understanding and appreciation for urban bushland and the natural environment	9, 10, 11, 12	Participation numbers % of participants motivated and enabled to take actions	Ongoing	Environmental Services
ES12	Develop programs to increase community resilience to climate change impacts	3, 5, 9, 10, 13, 14, 18-20	Participation numbers % of participants motivated and enabled to take actions	Ongoing	Environmental Services
ES13	Implement education and behaviour change programs to influence the behaviour of local residents and businesses to drive the shift to renewable energy and energy efficiency	3, 9, 10, 18-20	Tonnes of CO2e saved or avoided	Ongoing	Environmental Services
ES14	Trial a Tool Library at the Coal Loader Centre for Sustainability	3, 5, 6, 9, 10, 12, 14-16, 18, 19	Program trialled, evaluated and continued	2021/22	Environmental Services
ES15	Investigate establishing a Sustainability Group in Residence Program at the Coal Loader Centre for Sustainability	3, 5, 6, 9, 10, 12, 14-16, 18, 19	Investigation completed	2022/23	Environmental Services
ES16	Trial a sustainable building design support service to reduce the ecological footprint of development in the LGA	3, 5, 6, 9, 10, 14	Participation numbers % of participants motivated and enabled to take actions	2022/23	Environmental Services
ES17	Provide education to the community to reduce waste, and to use resources more efficiently, including supporting, initiating and promoting waste related workshops and community events	9, 10, 14-16	% of participants motivated and enabled to take actions	Ongoing	Environmental Services
ES18	Implement community education campaigns that encourage active transport/use of public transport and alternative modes of transport	9, 10, 18, 19	Participation numbers % of participants motivated and enabled to take actions	Ongoing	Traffic & Transport Operatios

ACTION PLAN: URBAN ECOLOGY					
#	Action	Related Target	Performance Measures	Timeframe	Responsible Council Department(s)
UE1	Continue to advocate for the protection/increase of tree canopy cover (urban forest) across all local and state government projects	13	Number of representations made by Council	Ongoing	Corporate Planning & Engagement Environmental Services
UE2	Develop and implement an Urban Forest Incentives program to encourage and reward community members that contribute to the urban forest vision	9, 10, 13	Urban Forest Incentives program developed and implemented	Ongoing	Environmental Services
UE3	Regularly assess the North Sydney Urban Forest canopy cover using aerial imagery	13	Canopy cover data obtained	Ongoing	Environmental Services
UE4	Continue working to conserve and rehabilitate the LGA's bushland	11, 12, 13	Bushland condition	Ongoing	Environmental Services Communications & Events Customer Services & Records Management
UE5	Coordinate the Bushcare and Adopt-a-Plot programs	9, 11, 12	Volunteer hours Bushland condition	Ongoing	Environmental Services Traffic & Transport Operations
UE6	Implement Native Havens and Wildlife Watch programs	9, 12	Number of Participants	Ongoing	Environmental Services
UE7	Regularly assess the North Sydney Urban Forest canopy cover using aerial imagery	13	Canopy cover data obtained	Ongoing	Environment Services
UE8	Implement the Bushland Rehabilitation Plans	11, 12	Bushland condition	2030	Environmental Services
UE9	Implement the Bushland Plan of Management	11, 12	Bushland condition	Ongoing	Environmental Services
UE10	Integrate street tree planting and other landscape treatments to improve microclimates and biodiversity	13	Number of trees planted	Ongoing	Parks & Reserves Project Management Engineering Infrastructure Works Engineering
UE11	Ensure that all trees that have to be removed are replaced wherever feasible	13	% of removed trees that are replaced	Ongoing	Parks & Reserves Environmental Services Development Services

<b>ACTION PLAN: URBAN ECOLOGY</b>					
#	Action	Related Target	Performance Measures	Timeframe	Responsible Council Department(s)
UE12	Identify opportunities to create and/or enhance green corridors linking bushland within North Sydney and in neighbouring LGAs	11, 12, 13	Number of new or enhanced green corridors	Ongoing	Environmental Services
UE13	Establish a dedicated Open Space Compliance Program to better address illegal, damaging and anti-social activities in parks and bushland	11, 12	Program established	2030	Environmental Services
UE14	Update Natural Area Survey at 10-year intervals to retain a current biodiversity inventory and reflect changes in legislation	11, 12	Survey completed	2030	Environmental Services
UE15	Conserve the habitats of threatened species and implement actions that foster their recovery	11, 12	Habitats conserved and actions implemented	2030	Environmental Services
UE16	Establish a provenance protocol to inform bushland revegetation and supplementary planting activities	11, 12	Program established	2030	Environmental Services
UE17	Address impacts caused by increasing usage pressures on bushland (e.g. limit access to sensitive foreshore reserves during large public events such as New Year's Eve)	11, 12, 13	Impacts addressed	2030	Environmental Services
UE18	Evaluate and rationalise bushland walking tracks, picnic areas and lookout facilities to provide high quality facilities and better bushland protection	11, 12	Evaluations and rationalisation completed	2030	Environmental Services
UE19	Identify planning opportunities for additional deep soil to support large tree canopies in growth areas to counter the loss of canopy cover in centres	11, 12, 13	Number of planning studies increasing space for tree canopy	Ongoing	Strategic Planning Environmental Services

<b>ACTION PLAN: RESOURCE RECOVERY</b>					
#	Action	Related Target	Performance Measures	Timeframe	Responsible Council Department(s)
RR1	Ensure Council's waste and recycling services continue to support the community to live more sustainably	15, 16	Community satisfaction surveys	Ongoing	Environmental Services
RR2	Explore options for resource recovery and alternative waste treatment	15, 16	Regular reviews conducted	Ongoing	Environmental Services
RR3	Encourage building design and construction techniques that minimise future waste generation	16	Regular review of development controls	Ongoing	Strategic Planning Development Services Environmental Services
RR4	Maximise reuse and recycling of building and construction materials, as well as household, industrial and commercial waste	15, 16	Regular review of development controls	Ongoing	Strategic Planning Development Services Environmental Services
RR5	Improve development controls for multi-unit developments ensuring adequate onsite space for bin collection for waste recycling, greenwaste and storage of source separated household waste including future additional waste streams	15, 16	Regular review of development controls	Ongoing	Strategic Planning Development Services Environmental Services
RR6	Implement measures to increase resource recovery from pre-booked household clean up collection	16	Measures implemented	Ongoing	Environmental Services
RR7	Implement measures to increase the range of materials that can be recycled by households	15, 16	Measures implemented	Ongoing	Environment Services
RR8	Support the ongoing implementation of Council's Single Use Plastics Policy	17	Zero use of avoidable single use plastics	2030	Environmental Services Procurement
RR9	Implement programs to support the community to reduce their use of Single Use Plastics	9, 10, 14	Programs implemented	Ongoing	Environmental Services
RR10	Implement programs to support the community to reduce their waste generation	14	Programs implemented	Ongoing	Environmental Services

ACTION PLAN: RESOURCE RECOVERY					
#	Action	Related Target	Performance Measures	Timeframe	Responsible Council Department(s)
RR11	Review and update Council's procurement processes to reduce extraction and production, and increase recycled content of purchased materials	15, 16	Regular reviews and updates completed	Ongoing	Environmental Services Procurement
RR12	Continue to collaborate with NSROC to incentivise the private commercial industry in investing in innovative and sustainable waste/recycling processing options	15, 16	Evidence of collaboration	Ongoing	Environmental Services
RR13	Work with the NSW Government on the development of a long-term vision and strategy for waste and resource recovery in NSW, including the development of new or enhanced policies and programs, and a framework for the delivery of an integrated state infrastructure network to ensure waste processing is being considered and delivered in appropriate locations	15, 16	Evidence of collaboration	Ongoing	Environmental Services
RR14	Advocate for the Commonwealth and NSW Government to continue to work with the commercial waste industry to implement product stewardship schemes to manage problem wastes such as mattresses, paint, oils and tyres	15, 16	Evidence of advocacy	Ongoing	Environmental Services
RR15	Conduct a food waste trial to reduce the amount of organic waste going to landfill	16	Tonnes diverted from landfill	2021/22	Environmental Services



ACTION PLAN: SUSTAINABLE TRANSPORT					
#	Action	Related Target	Performance Measures	Timeframe	Responsible Council Department(s)
SS1	Implement the North Sydney Transport Strategy (NSTS)	18, 19, 20	Release identified NSTS modal strategies. Prioritise strategic projects identified in these strategies into Council's advocacy and forward works programs.	Ongoing	Strategic Planning Traffic & Transport Operations
SS2	Construct footpaths and cycleways	18, 19	Footpaths and cycleways constructed	Ongoing	Traffic & Transport Operations Asset Management
SS3	Advocate the NSW Government to improve planning and delivery of integrated and efficient public transport	18, 19	Evidence of advocacy	Ongoing	Strategic Planning Traffic & Transport Operations
SS4	Facilitate, advocate and provide opportunities for improved public transport use, alternative modes of transport and end of trip facilities	18, 19	Increased resident and worker journey to work mode share.	Ongoing	Strategic Planning Traffic & Transport Operations
SS5	Advocate for and deliver projects that improve access to public transport for precincts currently not within a walkable distance of public transport nodes.	18, 19	Percentage of households within a 400m walk of a high frequency bus stop (>4 buses/hr) or an 800m walk of a train station.	Ongoing	Strategic Planning Traffic & Transport Operations
SS6	Incentivise use of public transport and lower impact vehicles	18, 19, 20	Incentive programs implemented	Ongoing	Strategic Planning Traffic & Transport Operations
SS7	As part of the North Sydney Public Transport (& Advocacy) Strategy, compare the relative accessibility of regional destinations by private vehicle and public transport and identify, prioritise, advocate for and deliver projects that improve public transport access to regional destinations.	18, 19	Public transport journey times between North Sydney and identified regional destinations.	Ongoing	Strategic Planning Traffic & Transport Operations

ACTION PLAN: SUSTAINABLE TRANSPORT					
#	Action	Related Target	Performance Measures	Timeframe	Responsible Council Department(s)
SS8	Assess the suitability of existing and proposed parking and traffic infrastructure to identify where the targeted application of parking policy and demand management initiatives may support reduced car ownership and use, provide more equitable access to parking and reduce traffic volumes in North Sydney	18, 19	Parking and traffic infrastructure review completed	2022/23	Strategic Planning
SS9	Strengthen planning controls to increase the availability of car share schemes	19	Planning controls strengthened	2022/23	Environmental Services
SS10	Develop a Public Parking EV Charging Infrastructure Strategy	20	Strategy developed	2026/27	Environmental Services
SS11	Strengthen planning controls to ensure car parking areas are designed and constructed so that EV charging points can be installed	20	Planning control updated	2022/23	Environmental Services Development Services Strategic Planning
SS12	Encourage electric car share providers in preference to those with internal combustion engines	20	Increase in electric car share providers in North Sydney Update Car Share Policy	Ongoing 2022/23	Traffic & Transport Operations
SS13	Switch all of Council's passenger and commercial fleet, excluding specialised and earth moving equipment, to EVs	22	Electrification of Council's passenger and commercial fleet	2030	Works Engineering
SS14	Electrify Council's passenger and commercial fleet to utilise electricity from renewable sources in favour of fossil fuels including gas	2	Electric equipment purchases	2030	Works Engineering

## 9. SUPPORTING STRATEGIES AND PLANS

Supporting Strategy/Plan	Our carbon footprint	Water conservation	Water quality	Engagement in sustainability	Urban ecology	Resource recovery	Sustainable transport
Asset Management Plan (Stormwater Drainage)			✓				
Bushland Plan of Management				✓	✓		
Bushland Rehabilitation Plans (various)				✓			
Coal Loader Centre for Sustainability Business Plan	✓	✓	✓	✓	✓	✓	✓
Community Engagement Protocol				✓			
Delivery Program	✓	✓	✓	✓	✓		✓
Emissions and Water Review North Sydney Council	✓	✓					✓
Greenhouse Action and Water Management Plan	✓	✓	✓	✓		✓	✓
Local Strategic Planning Statement	✓	✓	✓		✓	✓	✓
North Sydney Community Strategic Plan	✓	✓	✓	✓	✓	✓	✓
North Sydney Council Energy Audits (various)	✓						
North Sydney Council Street Tree Strategy	✓		✓		✓		
North Sydney Council Urban Forest Strategy	✓		✓	✓	✓		
North Sydney Development Control Plan	✓	✓	✓	✓		✓	✓
North Sydney Local Environmental Plan	✓	✓	✓		✓	✓	✓
North Sydney Integrated Cycling Strategy				✓			✓
North Sydney Integrated Traffic and Parking Strategy							✓
North Sydney Transport Strategy				✓			✓
Public Amenities Strategy	✓	✓			✓	✓	✓
Optimised Water Use on Sporting Fields Report		✓	✓				
Public Domain Style Manual and Design Codes	✓		✓		✓	✓	✓
Renewable Energy Feasibility Study for the North Sydney Community	✓			✓			✓
Smart City Strategy and Action Plan	✓	✓	✓	✓	✓	✓	✓
Sydney Metro Planning Study							✓
Water Audit & Water Management Plan		✓					