

NOTES

WASTE & RECOVERY STRATEGIC REFERENCE GROUP

held in the Guringai Room, Civic Centre, Dee Why on

THURSDAY 3 NOVEMBER 2016

**Notes of the Waste & Recovery Strategic Reference Group Meeting
held on Thursday 3 November 2016
in the Flannel Flower Room, Civic Centre, Dee Why
Commencing at 5:05pm**

ATTENDANCE

Members

Cathy Griffin (Chairperson)	Implementation Advisory Group
Pat Daley	Local Representation Committee Environment
Alicia Lloyd	Sustainable Organisations of Manly (SO Manly)
Anthony Petrolo	Resident – Curl Curl Ward
Billy Bragg	Resident – Pittwater Ward
Conny Harris	Resident – Frenchs Forest Ward
Emily Fewster	Resident – Manly Ward (<i>joined the meeting at 5.23pm</i>)
Ian Lang	Manly Community Forum, formerly Little Manly Precinct
Natalie Warren	Resident – Curl Curl Ward
Stacey Randell	NSW Business Chamber
Richard Cox	Resident – Frenchs Forest Ward
Rowan Hanley	Surfrider Foundation Northern Beaches

Council Officers

Natasha Schultz	Executive Manager Resource and Recovery
Annie Laing	Governance Administration Officer (Notes)
Kate Lewis	Executive Manager Community Engagement
Fiona van Dort	Research Officer

1.0 ACKNOWLEDGEMENT OF COUNTRY

DISCUSSION

Cathy Griffin gave an acknowledgement of Country.

2.0 APOLOGIES

DISCUSSION

That the apologies from Camila Cantoli, Cathy Natoli, Louise Williams and Jude Furniss be noted.

3.0 DECLARATIONS OF PECUNIARY AND CONFLICTS OF INTEREST

DISCUSSION

Nil

4.0 WELCOME AND INTRODUCTIONS

DISCUSSION

Natasha Schultz, Executive Manager Resource Recovery introduced herself and advised members of fire exits and facilities.

4.1 INTRODUCTIONS AND ROLE OF STRATEGIC REFERENCE GROUPS – KATE LEWIS

DISCUSSION

Kate Lewis, Executive Manager Community Engagement circulated a copy of the Strategic Reference Group Guidelines (Attachment 1) to members and briefly commented.

NOTE: *Members are advised that if they have any comments on these Guidelines please send to annie.laing@northernbeaches.nsw.gov.au before the next meeting.*

4.2 PROFILE OF NORTHERN BEACHES –FIONA VAN DORT

DISCUSSION

Fiona van Dort, Research Officer gave a presentation (Attachment 2) to members and highlighted the following points:

- Local demographics
- Greater Sydney Commission

<http://www.greatersydneycommission.nsw.gov.au/>

- LGA (Local Government Area) population
- Local housing implications

5.0 COUNCIL UPDATES

5.1 OVERVIEW OF STRATEGIC REFERENCE GROUP'S ROLES – FIONA VAN DORT

DISCUSSION

Fiona van Dort discussed the Community Strategic Plan (CSP) and the priorities that have been identified and noted the following:

- CSP will be prepared in readiness for election of the new Council
- Council will begin work on the delivery program in July 2017
- Followed by the operation plan in 2018
- Draft Implementation

<http://www.northernbeaches.nsw.gov.au/pdf/nbc-implementation-plan-fa-web.pdf>

5.2 REVIEW OF ISSUES PAPER – KATE LEWIS / FIONA VAN DORT

DISCUSSION

Members participated in a workshop to identify their 10 individual priority issues that need to be addressed across the key themes: Social, Economic and Environment.

A summary of the workshop is attached (*Attachment 3*).

6.0 GENERAL BUSINESS

6.1 WASTE & RECOVERY PRESENTATION

DISCUSSION

N Schultz presented members with *Resource Recovery – A brief overview (Attachment 4)* and discussed the following:

- EPA (Environmental Protection Agency) targets
- The section 88 waste & environment levy
- Where our waste is going now and where it will be going in the future
- Waste and recovery in NSW
- The future of Kimbriki

Members discussed their ideas on what goals need to be set for the new Council. It was discussed that policies can influence behavioural change and there was a need to set a more aspirational goal such as *Towards Zero Waste*.

C Griffith noted that the Committee needs to be approaching the Reference Group Meetings at a strategic level rather than operational.

6.2 UPCOMING MEETINGS

DISCUSSION

C Griffith asked the members to provide suggestions for agenda items for upcoming meetings, the suggestions were as follows:

1. A presentation on Kimbriki
2. Current policies on plastic
3. Benchmark Councils
4. A presentation on sewage treatment
5. Current waste arrangements for former Council
6. Breakdown of waste streams, including hazardous waste
7. How we assist the state government in the implementation of container disposal CDL
8. Micro plastics

7.0 NEXT MEETING

The next meeting will be held in February 2017. Details will be circulated shortly.

SUMMARY OF ACTIONS

ITEM NO.	ACTION	RESPONSIBLE OFFICER
6.1	Present statistics regarding tonnage and the funds involved	N Schultz
6.1	Present current innovative technologies	N Schultz
6.1	Present funding program at next meeting	N Schultz

The meeting concluded at 7:05PM

*This is the final page of the Notes comprising 6 pages
numbered 1 to 6 of the Waste & Recovery Strategic Reference Group
meeting held on 3 November 2016*

Strategic Reference Group Protocols and Guidelines

Overview

The new Strategic Reference Groups (SRGs) are aligned to the Local Representation Committee priorities and will help shape the draft Community Strategic Plan. The SRGs replace the role of the previous formal special interest committees across the former council areas

The SRGs will be a collective voice to provide input to the development of the vision and priorities for the draft Community Strategic Plan. The SRGs play an advisory role on Strategic Regional priorities.

The scope of each SRG is included in the separate Terms of Reference Document

Read the [Terms of Reference for the Strategic Reference Groups](#).

The Strategic Reference Groups are listed below.

Local Representation Group	Strategic Reference Groups (SRGs)
Economic	Affordable Housing Economic Development and Tourism Place Making
Environment	Natural Environment Waste and Recovery Management Sustainable Transport
Social	Art, Culture and Heritage Community Safety Inclusive Communities . Open Space and Recreation . Youth

Membership

Council aims to include a diversity of members and ensure geographical coverage of the region. Each SRG will comprise of 10 people from [the five new wards](#), as well as five others from across the broader Council region. Their input will help develop the draft Community Strategic Plan.

Meeting Schedule

The SRGs will meet twice during 2016 and three times in 2017.

The meetings will be on Thursday evenings from 5-7pm at venues including Manly and Dee Why. Meetings will run for no longer than two hours. Members can agree to extend the meeting by no more than thirty minutes if all members are in agreement.

Role of the Chair

The chair will be the Implementation Advisory Group representative. Their role is to independently chair the meeting to time and agenda.

They will also work with the Executive Manager to agree items for the agenda that are of Regional Significance.

Role of the Executive Manager

An Executive Manager has been allocated to each SRG. They will be supported by Research Officers, Governance and technical staff as required. They will finalise the agenda items and prepare reports and briefing notes. They will also approve meeting notes prior to circulation.

Conduct at Meetings

Members should be familiar with and comply with the [Office of Local Government's Model Code of Conduct for Local Councils in NSW](#) as this applies to staff, Administrator and all members of committees.

Attendance at Meetings

Apologies for attendance should be sent to the Governance contact and Chairperson as soon as possible prior to the meeting, either by telephone or email.

Please inform your Governance contact if you require any assistance accessing the meeting venue or have any dietary requirements.

Quorum

The meeting quorum is a majority of SRG members (minus any vacancies).
If the Chair is unable to attend, they will nominate a Local Representation Committee member to chair the meeting.

If there are no members of the Local Representation Committee are in attendance the Executive Manager will chair the meeting.

Agenda

The meeting agenda and reports will be forwarded at least 5 working days prior to the meeting.

Members may suggest items for inclusion on the agenda. Proposed items are to be forwarded to the Governance contact, Chair and Executive Manager at least 10 working days prior to the meeting.

Items on the agenda will be agreed by the Chair and Executive Manager and should be of Strategic Regional significance.

Meeting notes

Meeting notes will be taken at SRG meetings. The notes of the SRG meetings will be circulated to the relevant Local Representation Committees for consideration. Recommendations of the SRG that require allocation of Council resources will require approval by Council prior to proceeding. These matters will need to be supported by the LRC and will be reported to Council as part of the LRC meeting notes.

The SRG notes will also be published on the Northern Beaches website.

An aerial photograph of a crowded beach. The top half of the image shows a wide expanse of golden sand filled with hundreds of people, many of whom are sitting or lying down. The bottom half of the image shows the ocean with clear, turquoise water. Waves are breaking onto the shore, creating white foam. People are seen swimming and wading in the water. The overall scene is vibrant and lively, representing a popular beach destination.

NORTHERN BEACHES COUNCIL

northernbeaches.nsw.gov.au

Overview of Role

Strategic Reference Group

- Protocols and Guidelines

- Role of Strategic Reference Group
- Meetings
- Agenda
- Meeting Notes

Northern Beaches Profile information

Demographics: Who Are We?

- **Why are demographics important?**

- Assists in planning directions and priorities
- Vital connection for the new Council = more effective in serving the region
- Communications and community connections = your important role

- **Variety of data sources for a comprehensive snapshot**

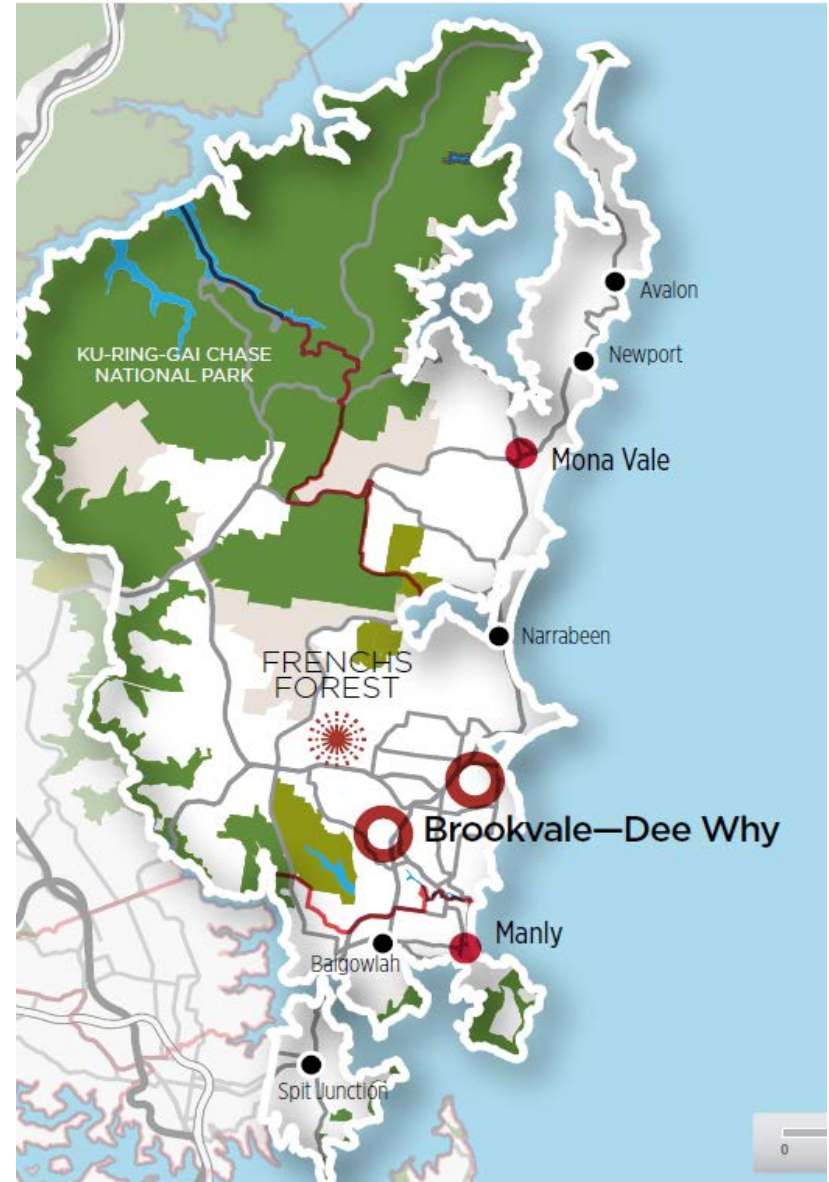
- ABS,
- SHOROC, Council annual reports
- State & Agency studies & plans

- **Context**

- 2012 – Regional Action Plan
- Greater Sydney Commission;
- New regional council;
- Expectations from DP&C;

Northern Beaches Region

- Fringed by coastal waters & bush
- Aging population
- Higher income than NSW average
- Strong sense of community
 - high levels of volunteering
 - Competitive advantages
- Highly skilled & competitive workforce with significant knowledge base
- Key industries:
property & business services, hospitality,
international education, recreation & tourism
- Connected to Sydney and central coast
- High quality TAFE, Vocational Education & Training; English Language skills



Population: Now & Forecast

Northern Beaches Region

Population 2016	263,700
Forecast 2031 (NSW DOP, 2016)	287,650
Population Increase 2016-2031 *revised, 2016	23,950*
% Increase *revised 2016	9.0%*
Average annual growth	0.5-0.7%

Housing Implications...

Northern Beaches Region	
Total Households (2016)	99,350
Total Households (2031) NSW DOP 2016	110,300*
Households Increase (2016- 2031)	10,950 = 11%

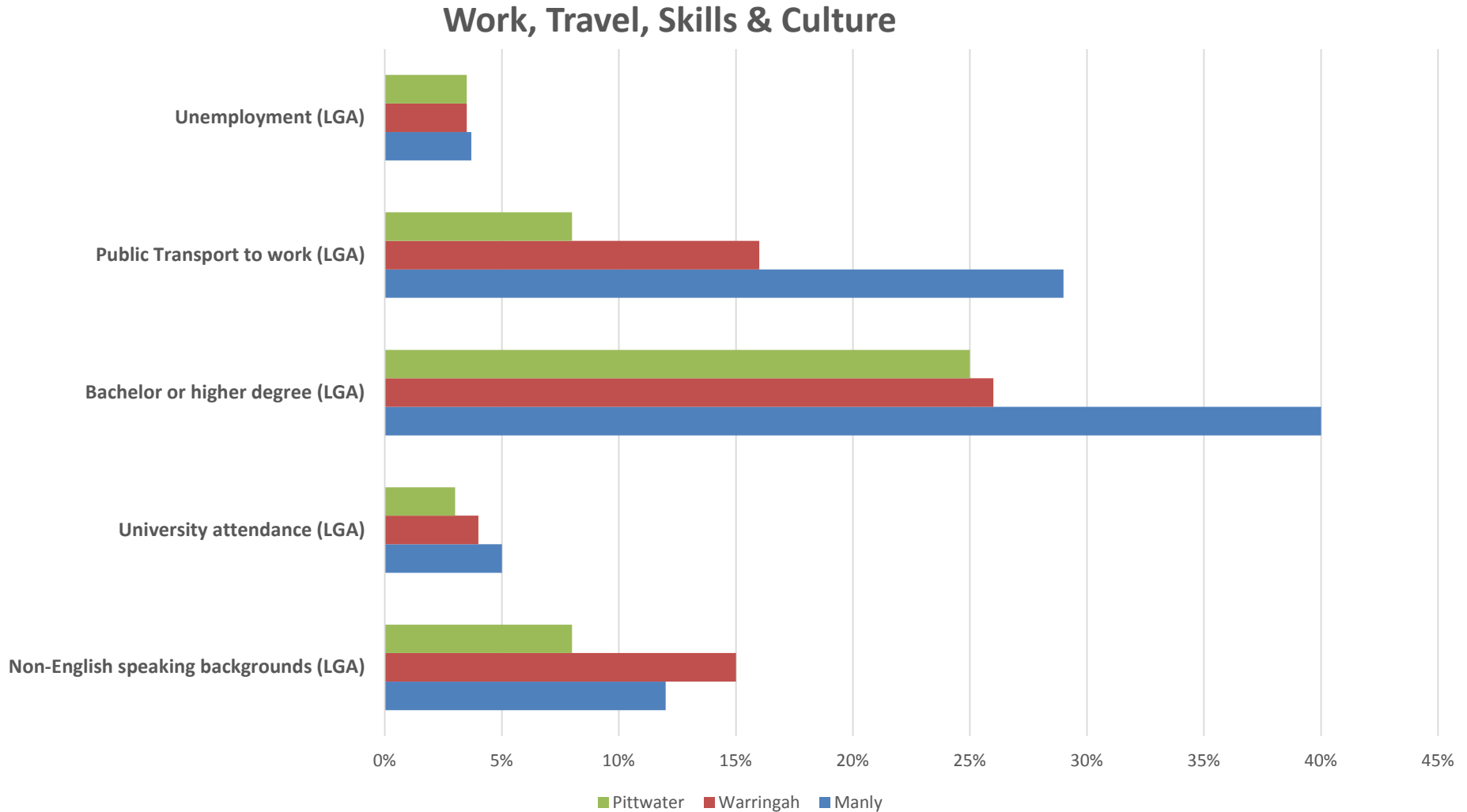
Highlights: social, income, housing

	Northern Beaches Region	Greater Sydney
Median Age	39	36
Median Weekly household income	\$1,921	\$1447
Couples with children	35%	35%
Medium & high density housing	43%	40%
Households with a mortgage	33%	33%
Households renting (LGA)	26%	30%

Who are we? Community Profile

	Northern Beaches	Greater Sydney
NESB	11.6%	26%
Bachelor/higher Degree	30.3%	24%
Vocational	15%	15%
Public Transport (to work)	17.6%	20%
Unemployment	3.5%	5.6%

Demographics from north to south



Economic characteristics

Northern Beaches region

Gross Regional Product	\$13.35B
Local Jobs	95,131
Local Businesses	30,415
Employed Residents	141,200
Containment Rates (% of residents employed locally)	49%
Largest Industries	Health Care & Social Assistance Retail Construction

Natural Environment

- Highly valued by residents
- Water quality for swimming
21 Beaches: Good to Very Good (Beachwatch)
- Waterway health
4 Estuaries: Most meet targets for health (State of the Catchments Report 2010)
4 Lagoons: 'Fair' ecosystem health in Manly, Dee Why and Narrabeen
'Poor' health but improving in Curl Curl Lagoon
(Lagoon Health Report Card 2014/15)
- Biodiversity
 - > 2000 native species plants & animals
 - 35 vegetation communities
 - ~ 10% are Endangered / vulnerable
 - > 60% bushland is high/very high conservation value

Built Environment

- Transport & Mobility since 2007:



No. public transport trips stable



No. private cars



Private trips



Cycleways



Travel times

- Domestic waste since 2013:



Recycling



Waste per capita

- Water and energy footprint since 2007:



Energy consumption per capita – residential & business



Water consumption per capita



Council carbon emissions



Council renewable energy capacity

- Affordable housing

= major issue for region and key public sector workers

What does this tell us?

- **Local Workforce:** Highly skilled & qualified; also ageing workforce;
- **Strong economy:** employed residents; small business;
- **Growing:** higher density housing & future demand;
- **Environmental constraints:** beaches, lagoons and floodplains, steep slopes, bushland and threatened species
- **Opportunities / Challenges:**
 - Harness collective social capital & skills,
 - Protecting environmental & heritage of region
 - Lobbying & working with key agencies to ensure improvements
 - Political role to ensure benefits & LT infrastructure improvements
 - Strong community building role to enable cohesive region;
 - Enable future community & business partnerships;
 - Harness future opportunities & minimise challenges; and
 - Global Sydney links with transport, infrastructure & residents

Overview:

Community Strategic Plan (CSP) Process
and
Integrated Planning and Reporting (IP&R)

COMMUNITY STRATEGIC PLAN

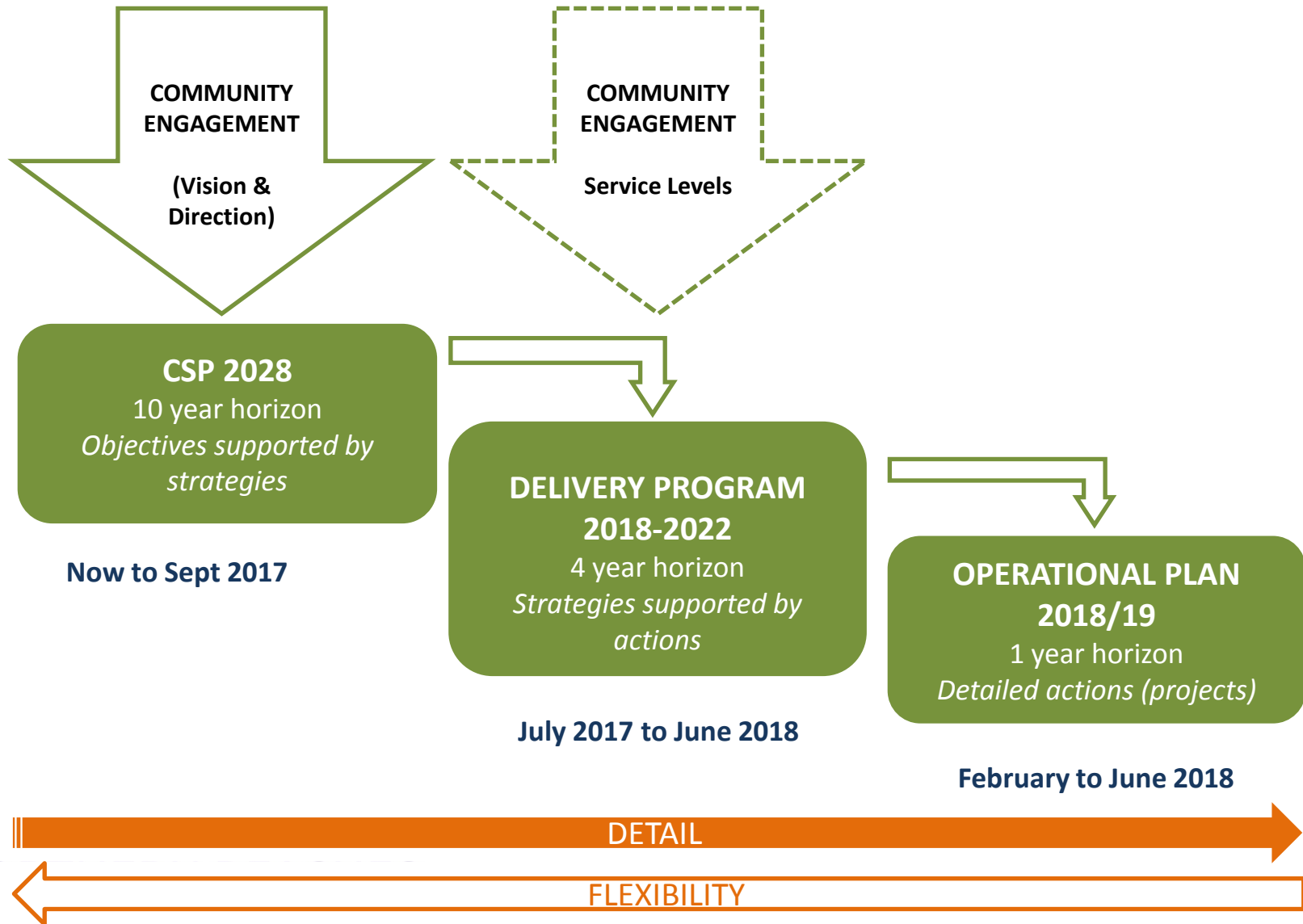
VISION & PRIORITIES	Sep - Nov 2016 Community engagement: Issues Paper
STRATEGIES	Mar - Apr 2017 Community engagement: Discussion Paper Staff and stakeholder engagement
PUBLIC EXHIBITION DRAFT CSP	Jul - Aug 2017 Community engagement: Feedback on draft
FINAL CSP ADOPTED	Adoption post September 2017 by the newly elected Council

Integrated Planning and reporting overview



Corporate planning products and deliverables:

from community objectives to strategies and specific actions



Affordable Housing example

Community Strategic Plan

OBJECTIVE

Broad directional
statements of aspiration

Provide a range of housing to
meet the needs of people who
live and work in the area

STRATEGY

Approach to achieve an
objective

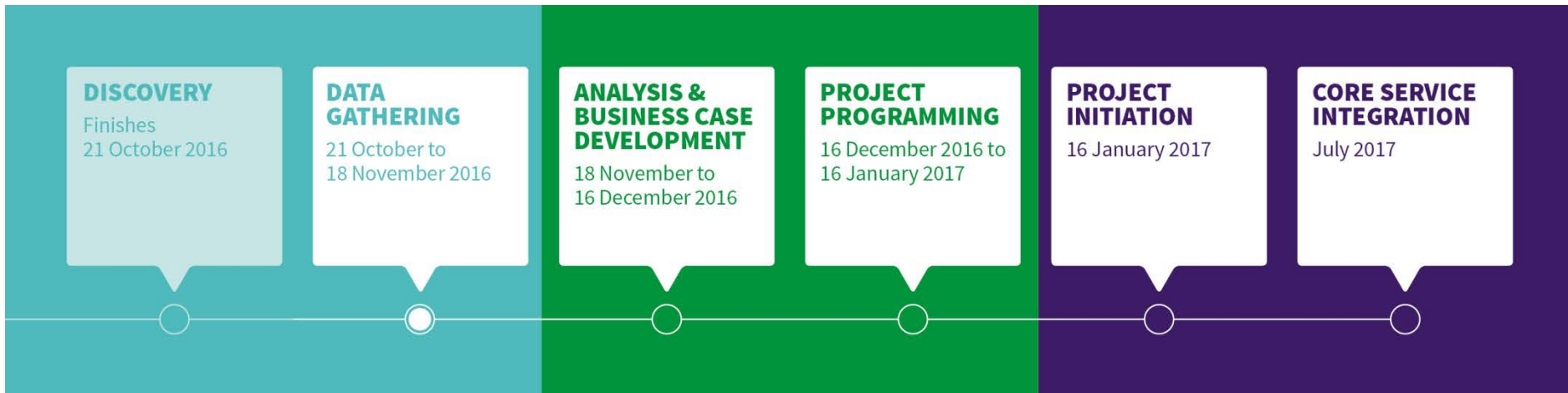
Expand the supply of affordable
housing to meet the community's
needs.

ACTION

Discrete and measurable
pieces of work to achieve
the objective

Amend planning policies &
development controls to
facilitate the supply of
affordable housing.

Draft Implementation Plan Northern Beaches Council



[Click to view Draft Plan](#)



Working on the outcomes of the Strategic Reference Group workshop

Workshop – Challenges & Issues

*From the perspective of your SRG
is any thing missing?*

Workshop – Priorities

Looking at the Challenge/Issue what are your top ten priorities across the region?

General Business

Meeting Close

Next SRG meeting

February 2017
TBC

An aerial photograph of a crowded beach. The top half of the image shows a wide expanse of golden sand filled with hundreds of people, many of whom are sitting or lying down. The bottom half of the image shows the ocean with clear, turquoise water and white foam from waves breaking onto the shore. People are also seen swimming and wading in the water.

NORTHERN BEACHES COUNCIL

northernbeaches.nsw.gov.au

The following information summarises the results of the workshop held with the Waste and Recovery SRG to prioritise the challenges and issues facing the northern beaches for the next 10 years.

Black issues are those from the Issues Paper

Blue issues are those identified at the SRG workshop at Dee Why RSL on 28 September 2016

Green issues are those identified by the Waste and Recovery SRG from their perspective at the meeting on 3 November 2016

The column on the right shows the number of dots placed by members to indicate their view of the priorities across the region.

Environment	Number of dots
Challenge - Clean Environment	
Diminishing landfill capacity for disposal of waste	3
Limited recycling and waste reduction opportunities, incentives and education	3
Lack of general awareness of long term and cumulative impacts of littering and rubbish dumping on the environment	4
Impacts of stormwater pollution on creeks, lagoons, rivers and the ocean	6
Air pollution associated with increased traffic and congestion	1
Peak waste generated by visitors, sports and events including problematic cigarette butts	4
Inadequate reach of education on waste, litter and plastic reduction eg. to schools, retirement homes, group homes, business	3
Inadequate investment and use of tools to reduce waste and pollution eg. legislation, enforcement, targets, infrastructure and technology, business leases/licences	4
Waste: Inadequate goals towards a zero waste society, starting with no single-use plastic items	1
Waste in business: Inadequate legislation to enforce businesses in waste reduction and increased recycling i.e. local and national businesses on northern beaches e.g.. Coles	1
Waste from sewage: need to eliminate all road transport of sewage and by-products	2
Plastic waste: reduce use of single use plastic by residents and businesses	
Organic waste: commercial-scale organics recycling scheme is long overdue. Need a target: [x]% of food waste recycling by [year]	
Toxic waste: improved handling of toxic waste and more regular collection programs e.g.. solvents, motor oil etc.	
Bulky household waste collections: no reuse of Council clean-up waste	

Environment	Number of dots
Keeping waste out of the environment: Councils to reduce blocking of stormwater network e.g. by more frequent gutter sweeping and waste collection to address overflowing bins, household clean-ups	
Waste collection: increased waste collection of domestic and shopping centres, to ensure no spillage around beach areas	
Waste collection types: need a user-friendly system for collecting each type of waste, with suitable clearance/ access. For domestic, shopping centre and beach area waste	
Challenge - Catchments, Coasts and Waterways	
Cumulative impacts of urban development on our lagoons, creeks and beaches, including impacts of pollution and sedimentation and habitat loss	2
Impacts of recreational activities in and around our major waterways	1
Impacts of flooding and flood mitigation measures on waterways	
Erosion and associated risks to property, infrastructure and natural areas	
Impacts of sewage overflows and uncontrolled stormwater on riparian and aquatic environments, caused in part by ageing infrastructure and illegal connections	2
Increasing costs of climate change impacts on the coast including planning, hazard reduction and emergency management	
Increasing impacts on marine ecosystems	2
Waste: Upgrade sewerage & stormwater utilities for cleaner water and beaches e.g. end sewerage outfalls into coastal environments	5
Waste: Eliminate sewage overflows during storms which result in no-swim days i.e. overflows to beaches and pump failures at North Head STP	
Challenge - Bushland and Biodiversity	
Pressures on bushland and biodiversity through loss of core areas of vegetation as a consequence of development and illegal land clearing	1
Loss and fragmentation of bushland and wildlife corridors and habitat areas on public and private land	5
Decline in native biodiversity from threats such as climate change, pest plants and fungi, companion and feral animals	
Impacts of unauthorised recreation activities on environmentally sensitive areas	
Intrinsic difficulties in effectively managing and measuring biodiversity	

Environment	Number of dots
Impacts on natural areas from recreational access, amenity and sports	1
Declining fish biodiversity resulting from development in catchments	1
Impacts on marine biodiversity not accounted for (more than just fish)	
Waste: Impacts of waste on biodiversity in terrestrial and marine ecosystems - e.g.. illegal dumping, litter, micro plastics	
Challenge - Climate Change	
Large environmental footprint of the area, especially as related to energy and water consumption	1
Heavy dependence by Council and the community on coal-fired power for energy consumption	1
Poor incentive structures for promotion of sustainable building design (e.g. funding, knowledge, accessibility, regulation)	3
High level of car dependency	1
Urban heat island effect, where heat retention of hard surfaces results in higher than average localised temperatures	3
Risks to energy supply during heatwaves where demand for air-conditioning increases	
Local food security and supply	1
Effects of climate change on natural environment and biodiversity e.g.. storms, erosion, flooding, fire, drought, sea level rise	5
Lack of understanding and data on changes over time	1
Lack of investment in alternative modes of transport	3
Public relations, community engagement, media	
Waste: Framing and addressing waste and excess consumption is a climate change/ carbon emission issue - not just room in a landfill and impacts on waterways	
Green waste: encourage the use of vegetable waste to be included	
Challenge - Natural Hazard Management	
Increase in frequency and severity of extreme storm events and droughts with associated risks to life and property	
Impacts of erosion and landslip areas on public and private places and property	
Balancing the impacts of hazard reduction measures on environmental values with the need for property protection (i.e. managing bushfire back burning, flood mitigation measures, landslip management and seawalls in an environmentally sensitive way)	1

Environment	Number of dots
Potential opposition, namely from property owners, to the implementation of hazard mitigation development controls (e.g. risk mapping and planning in regards to bushfire and floodplains respectively)	
Impacts of sea level rise on local flooding and coastal management	
Potential impacts of heatwaves on the health and wellbeing of elderly people and other people vulnerable to extreme temperatures	
Impacts of flooding on major road ways (Wakehurst Parkway)	
Beach erosion: increase sand nourishment of eroded beachfronts	
Challenge - Built environment interactions	
Government pressures for more housing and growth	2
Ensuring population and urban expansion matches the character of the area	4
Planning and building not meeting sustainable development goals e.g.. mandating solar power	1
Ensuring population and urban expansion matches the character of the area	
Low uptake by the community of sustainable practices - need more opportunities and education	
Encroaching on nature strips – boats, trailers, storage etc.	
Visual pollution from excessive signage	
New housing developments - inadequate or no off-grid requirements imposed	
Waste and recycling objectives not included in planning decisions	
Green enterprises/ industry - appropriately zoned and affordable land	

Economic	Number of dots
Challenge – Business Diversity, Innovation and Growth	
Ability to attract and retain medium to large sized businesses	
Limited commercial space and industrial land for businesses to establish, expand and prosper in the region (including co-worker space and business incubators)	

Economic	Number of dots
Downward pressures on manufacturing and traditional industries in the area, with a need for manufacturing-based businesses to adapt towards 'advanced manufacturing' and emerging industries	
Restricted opportunities to support larger scaled industries due to market pressure for rezoning of existing industrial lands to retail, commercial and/or residential uses	1
Mixed-use development in commercial centres is difficult given existing market preferences for residential uses	
Lack of support for start-up businesses, and restricted opportunities for local networking	
Lack of support, hubs and events for small business	1
Constraints to business growth - limited key workers that live locally; cars congesting village centres; inadequate internet/ delayed NBN	
Challenge – Transport, Infrastructure and Connectivity	
High level of private car dependency of resident workers (nearly 60% stated car as primary mode of travel to work)	
Limited road capacity and increasing congestion and traffic on all main roads, with critical impact on commuters on the main access roads: Mona Vale Road, Warringah Road and Pittwater Road	
Increasing pressures on the East/West corridor and potential impacts on growth in strategic centres (linking the northern beaches and the new strategic centre in Frenchs Forest with Chatswood, Macquarie Park, and Norwest)	1
Low levels of public transport patronage due to inefficiencies and unavailability of bus services and public transport facilities (such as poor timetabling, poor coverage in terms of stops in the LGA, as well as limited end destination coverage and facilities)	
Maintenance and upgrades to public infrastructure and transport facilities, namely in geographically isolated areas (i.e. maintenance of wharves to waterside communities and statutory provision of disability access to wharves by 2020)	
Slow internet speed, broadband access and capacity	
Poor public transport connections to employment centres across the Northern Beaches to attract workers and customers. This also affects the region's night-time economy	1
Not enough support/ infrastructure for active travel and small-scale accessible transit eg. community buses, cycleways	1
Challenge – Local Employment and Education	1
Mismatch between local job opportunities and existing skills and professions of resident workforce	

Economic	Number of dots
Limited range of tertiary education facilities and training and opportunities on the northern beaches (from apprenticeships to university degrees), especially for youth	1
High level of commuting out of northern beaches (47%) for work, especially to Sydney CBD and wider Global Economic Corridor	
Housing affordability to accommodate key workers in the region and future generations	1
Limited data on businesses, local economy, employment and telecommuting needs for making sound decisions	
Limited capacity to create new employment areas and maintain/ stimulate existing ones such as Brookvale	
University in this area i.e. Northern beaches university	
Challenge – Tourism and Visitor Economy	
Potential community resistance to tourism and increases in visitor numbers in areas with strong and localised sense of place and identity	
High concentration of visitor activity around Manly, with a lack of general awareness of other areas of the northern beaches combined with restricted public transport options being the main barriers for better visitor distribution across the region	
High visitor numbers but low spending yields	
Potential impacts and/or residents' perception of night-time economy on local amenity	
Environmental impacts of tourism on sensitive natural areas and assets	4
Limited accommodation for visitors - under-supply is critical for the industry	
High potential for eco-tourism is unrealised	2

Social	Number of dots
Challenge - Connected Community	
Risk of social isolation particularly affecting older people and people with a disability in the community	
Equity of access to support services across the northern beaches	
Developing sense of community and social cohesion in new and growing communities (i.e. new land release areas and infill sites)	1

Social	Number of dots
Limited opportunities for young people to be active, showcase their talents and skills, and to connect with their peers	2
Ever increasing price of housing and lack of affordable stock and housing options, particularly for people on low incomes, people with a disability and young people	3
Limited public transport connectivity outside of commuter routes, exacerbated by topographical issues in a number of areas	
Support for our elderly i.e. health care access; affordable housing; accessibility in area; lifelong learning	
Support for special care and disabilities e.g.. with childcare; youth before and after school care; respite care	
Youth need more opportunities to be mentored, have their views incorporated, reduce homelessness, and access education and training	4
Maintaining programs and facilities that build social capital e.g.. libraries, community centres	
Challenge - Health, wellbeing and safety	1
Equitable access to health, family and aged care services across northern beaches	
Impacts of drug and alcohol intake on public health and wellbeing, including safety risks in public places	
Limited crisis and short term housing options to accommodate people in need of housing and shelter	
Increased prevalence of mental health issues among young people	
Prevalence and hidden nature of domestic violence	
Lack of community knowledge and awareness on how to support the inclusion of people with a disability and other vulnerable population groups in community life	
Keeping up community safety to reduce assaults and violence	
Some areas need more street lighting, passive surveillance or liquor licence control	
Planning for health in an unhealthy way. Centralising health care and destroying health-providing assets	
Challenge - Recreation and open space	
Whole of life-cycle consideration for provision of recreation and sporting facilities, investing in quality products and creative solutions	
Holistic and integrated open space planning for a range of uses within each area	
Equitable access to recreational facilities for new and emerging sports	
Upgrading existing facilities to ensure accessibility for the whole community	
Meeting the needs for open space, relaxation, meeting places, playgrounds, recreation, public art, local markets	

Social	Number of dots
Challenge - Arts, culture and heritage	
Availability of a diverse and evolving range of cultural and creative facilities and events that meet the needs of the whole community	1
Limited night-life across the region	1
Lack of creative and performance spaces and venues	
Valuing and protecting heritage assets (Indigenous and non-Indigenous)	
Lack of support for local artists - Lack of acknowledgement and collections on work of local artists and writers	
Support for Indigenous Culture – education and protection of indigenous heritage and culture	
Inclusive opportunities for youth, families, multicultural and outdoor events beyond Manly; and links to Vivid & other Sydney events	
Challenge - Planning for future communities	
Encouraging and supporting creativity and innovation in urban design	
Meeting the infrastructure, economic and social needs of a changing demographic	
Providing adequate and accessible infrastructure and services for infill development and land release areas	
Increasing densities and its impact on traffic congestion and parking.	
Increased demand on existing under resourced public transport and active travel networks	
Need a Housing Strategy for growing population and changing demographics - with greater diversity, affordability and people-friendly villages & centres	1
Need more diversified town planning controls – for greater flexibility in accommodation options that are inclusive, accessible and pedestrian-friendly	
Need for more affordable housing: diversity for key workers, and intergenerational needs of young, elderly and future generations	1

Resource Recovery – A brief overview

NSW Framework for Waste Management

Reducing waste generation and keeping materials circulating within the economy are priorities for NSW.

To meet this challenge, the NSW Environment Protection Authority (EPA) has prepared the Waste Avoidance and Resource Recovery (WARR) Strategy.

2014-2021 WARR Strategy targets

The strategy sets the following targets for 2021–22:

- *avoiding and reducing* the amount of waste generated per person in NSW
- *increasing recycling rates* to:
 - 70% for municipal solid waste
 - 70% for commercial and industrial waste
 - 80% for construction and demolition waste
 - increasing waste diverted from landfill to 75%
- *managing problem wastes* better, establishing 86 drop-off facilities and services across NSW
- *reducing litter*, with 40% fewer items (compared to 2012) by 2017
- *Combatting illegal dumping*, with 30% fewer incidents (compared to 2011) by 2017.

The strategy provides a clear framework for waste management to 2021-22 and provides an opportunity for NSW to continue to increase recycling across all waste streams.

Although Council's are not obliged to legislatively meet the target of increasing waste diverted from landfill to 75%, Council's must actively strive to reach these targets to be eligible for waste related state government funding - *Better Waste and Recycling Funding and Waste Less Recycle More grant funding*.

THE REGULATORY ENVIRONMENT

- *The Local Government Act* requires councils to take responsibility for residential waste and mandates a Domestic Waste management Charge for residential properties. It also requires Councils to implement principles of Ecologically Sustainable Development.
- *The NSW Waste Avoidance and Resource Recovery (WARR) Strategy Act 2001* established ambitious resource recovery targets. The policy tool for encouraging investment in resource recovery and waste diversion is the Section 88 Waste and Environment Levy.
- *The Protection of the Environment Operations Act 1997 and Protection of the Environment Operations Amendment Act* are the principal tools in legal and dumping enforcement.
- *The National Waste Policy* designed to provide a holistic approach to waste issues, address ad hoc governance issues and ensure climate change and sustainability are key drivers. Focus on Extended Producer Responsibility (EPR).

The Section 88 Waste and Environment Levy

The Protection of the Environment Operations Act 1997 (POEO Act) requires certain licensed waste facilities in NSW to pay a contribution for each tonne of waste received at a facility.

The 'waste levy' as it is known **applies to every tonne of waste disposed of to landfill.**

Where the waste levy applies

The waste levy applies in the regulated area of NSW which comprises the Sydney metropolitan area, the Illawarra and Hunter regions, and the central and north coast local government areas to the Queensland border as well as the Blue Mountains, Wingecarribee and Wollondilly local government areas.

The levy for 2016/2017 is:

Metropolitan Levy Area: \$135.70 per tonne

Regional Levy Area: \$78.20 per tonne

Domestic Waste

Northern Beaches Council is directly responsible for managing the waste produced by its residents and for meeting NSW state Government targets for recovering resources from the domestic waste stream.

An overview of the current services is provided in Appendix 1.

Council's align their waste management services to meet the State Government's targets by:

- Encouraging and supporting domestic recycling
- Developing targeted education initiatives and behaviour change programs.
- Encouraging waste avoidance
- Enabling residents to manage their waste responsibly
- Promoting the principles of the circular economy
- Delivering reliable and responsible services

Challenges for Council in providing more sustainable waste solutions include influencing people to produce less waste, tackling problems presented by increasing density in our urban environment, providing access to advanced waste treatment systems and managing litter and problem wastes.

Commercial Waste

Commercial waste collection is predominantly controlled by private waste contractors. No regional data is available for commercial and industrial (C&I) and construction and demolition (C&D) waste collection tonnages.

NSW EPA audits reveal that about 45% of waste going to landfill in Sydney comes from C&I small and medium sized businesses of which about 70% has the potential for reuse, recycling or recovery being composed of mostly organic, degradable material such as food waste, timber and packaging. Rates of recycling in C&D businesses are considered to be higher as the weight of the material makes it expensive to dispose to landfill and there is now a demand for reused building products, soil and vegetation. The NSW targets for construction and demolition waste have nearly been reached.

NORTHERN BEACHES COUNCIL

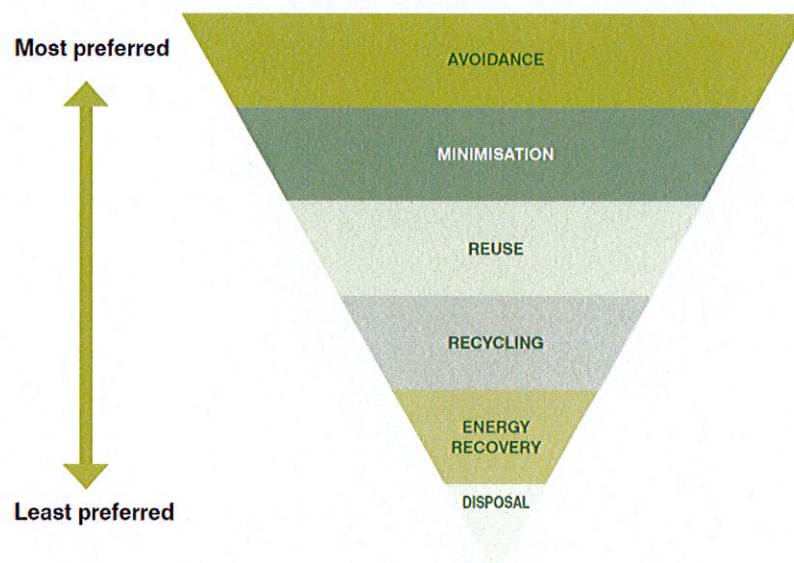
The NSW Government has a target of increasing recycling rates for C&I waste to 70% and C&D waste to 80% by 2021

Although Council is not directly responsible for the management of this waste stream it is able to influence this sector through the Waste Policy such as Waste Management Development Controls Plans, Event Waste Management Policy.

A Sustainable Waste Strategy

The waste hierarchy ranks the range of waste management practices available from most sustainable to the least sustainable practice. At the top of the hierarchy is the most preferred sustainable practice, which is to avoid producing waste. Following avoidance the hierarchy filters down to reveal the least preferred method of waste management: disposal to landfill.

Council's aim is to provide targeted systems, infrastructure and support for improving access at each level of the waste hierarchy to enable people to manage their waste responsibly.



A strategy needs to focus in key areas that Council can influence and/or deliver outcomes - underpinned by the principle of environmental protection and responsible waste management. This could include:

- Producing less waste
- Maximising resource recovery
- Managing Problem Wastes
- Cleaner Environment - Litter and Dumping
- Reducing Greenhouse Gas Emissions and Carbon Footprint

Attachments

1. *Current Council Waste Management Services*
2. *Education initiatives – 12 month overview*

Waste Education – 12 month overview

This document outlines Council's program of Waste Education for the coming year, targeted at the general community and schools. It also indicates ongoing activities which continue through to the next year. These activities align with waste and sustainability approaches of the three former Councils as outlined in Community Strategic Plans and Sustainability Strategies. Some activities align with NSW EPA's Waste and Resource Recovery Strategy, supported by grant funding through to June 2017, and have associated reporting requirements.

This was prepared for the Local Representation Committee (Environment) in response to their request for an outline of the upcoming program, which will assist them to promote activities with their contacts or attend suitable activities. It has been prepared with assistance from Waste Education Officers and their Managers in all of Council's offices.

Date	Program	Type of education	Venue	Scope	Lead office
Ongoing	Illegal dumping	Promotion, communications	Publications and promotion	To Increase awareness of fines and chance of getting caught – advertising, online, in rates notices, waste calendars on postcards	Warriewood
Ongoing	Illegal dumping	Promotion, communications	Manly	Illegal Dumped Waste Investigation Officer and dumping program	Manly
Ongoing	Second Hand Saturdays	Combined sale	Promotion in Manly Daily and on council website	Promotional support for residents holding garage sales each weekend	Cromer
Ongoing	Oz harvest	Promotion of program to food businesses	Food businesses in the Pittwater and Warringah area	Work with SHOROC and 8 other northern Sydney Councils to promote the program, recruiting more food businesses to reduce waste to landfill and meet local needs for food.	Cromer, Warriewood
Ongoing	Presentations to local groups	Presentations	TAFE, Probus, Rotary, vacation care, scouts etc as requested	Presentation on waste issues and the importance of recycling and reuse	Cromer
Ongoing	School program - Ready, Set, Grow	Schools	International school, Belrose, Harbord, Brookvale, Maria Regina, Celebration workshop in October.	Assist the 8 registered schools with reducing waste, composting, and vegie gardens.	Cromer, Warriewood
Ongoing	School program – waste education	Schools	In Pittwater schools or at Kimbriki. Support Pittwater area pre-schools, primary and secondary schools	To improve waste management and education. Offer a range of options for assistance each year such as 2 free buses to Kimbriki, assistance with Green Days, incursions, waste education displays, waste audits and wormfarm/ composting workshops	Warriewood and CEC

Date	Program	Type of education	Venue	Scope	Lead office
Ongoing	Waste stalls	Stalls at council/ other events	at markets and other events	Promotion of waste messages to help people recycle, reduce waste and reuse - as well as asbestos education	Warriewood
Ongoing	Waste workshops	workshops	CEC Narrabeen	Waste avoidance	CEC
Ongoing	Wormfarm/compost workshops	workshops	Kimbriki Eco house and garden	Comprehensive introduction to organics recycling (worm farming and composting). Includes a voucher.	Cromer
Ongoing	Composting workshops	workshops and equipment	Kimbriki, Newport etc.	Subsidised composters and worm farms for people who complete a workshop. Promote composting workshops at Kimbriki, provide composting workshops at other sites including Newport Community Garden	Warriewood
Ongoing	Multi-unit dwelling Resident Education	Sustainable living education – waste avoidance	Manly	Multi-Unit Dwelling Resident Education Strategy Welcome pack and brochure, plus 6 unit blocks (small and large) engaged in research and trial education activities	Manly
Ongoing	Various waste campaigns	Launches and promotion	Northern Beaches wide promotional activity	Eg. Nat Recycling Week, mobile muster, Fridge buyback, KAB, love food hate waste	Manly
12 Nov 2016	DIG program	Workshop	–Manly Library (Ground Floor Meeting Room) 10-11.30am	Green Cleaning workshops (promoting low waste ways of cleaning)	Manly
26 Nov 2016	DIG Program	Workshop	Manly Library (Ground Floor Meeting Room) 2-3.30pm	Modern Re-useable nappy workshop	Manly
Ongoing	Offshore waste education	Engagement, Survey, workshops	Pittwater offshore communities	Waste issues and concerns, composting needs. Composting and worm farm workshops if engagement demonstrates need	Warriewood
Quarterly	Car Boot Sale	Combined sale	The Avalon Car Boot Sale - Dunbar Park Avalon 22/10/2016	A readily accessible event to re-purpose and sell unwanted household items whilst promoting waste minimisation, reuse and recycling to the community	Warriewood
Twice-yearly	Childrens Clothing and Toy Swap	Combined sale	Newport Community Centre	to provide a readily accessible outlet for parents to swap children clothes and toys and donate items that they no longer need to local charities. By reusing and rehoming items the aim is increase recycling diversion from landfill.	Warriewood
Twice-yearly	Waste calendars	publication	Mailout to homes on mainland and	to inform them of waste collection dates	Warriewood, Cromer,

Date	Program	Type of education	Venue	Scope	Lead office
			offshore		Manly
Twice yearly	Chemical cleanout	Collect chemicals	Frenchs Forest and Mona Vale	Promote and help manage EPA event, including traffic issues. Aim to reduce amount of toxic chemicals going into standard waste collection	Cromer, Warriewood
Occasional	Community gardens	Advice and equipment	Ongoing support	Provide infrastructure and education to assist community garden groups, collaborating with Natural Environment	Warriewood, Manly
Occasional	Fix-it workshops	workshops and supporting community groups	Support community groups on waste initiatives and hold resource recovery e.g. Avalon Boomerang Bags, Surfrider, Ocean Living, local Clean up groups, plus ongoing workshops	Community waste support workshops to give people in community skills to mend and reuse rather than throw out e.g. Make Do and Mend, bike fixing workshops, electrical goods fixing	Warriewood
May – Dec 2016	Sort it out – Recycle More	Promote recycling	Digital video and competition promoted via social media, printed collateral and ads in Manly Daily	Online video focusing on how to recycle problem with a focus on local drop off options. Video promoted through a quiz based competition to increase community engagement with key messages.	Cromer
Aug 2016	Waste to Art	Exhibition	Warringah Creative Space	Part of the annual Warringah Art Prize. Artists are encouraged to create original works of art, sculpture, clothing, collage, jewellery. Artworks must be made from reused or recycled materials.	Cromer
29 Oct 2016	Fix-it and reuse workshops	Workshop	Manly Senior's Centre, 10am-1pm	Furniture and small appliances repair workshop	Manly
4 Oct 2016	Free Family Excursion	Community excursion	Kimbriki and Peninsula Toy Recyclers	A chance for residents to experience the eco house and garden, with talks on organic gardening and organics recycling. Includes a visit to the Peninsula Seniors Toy Recyclers Centre to see re-use and repair in action.	Cromer
9 Oct 2016	Childrens Clothing and Toy Swap	Combined sale	Newport Community Centre	outlet for parents to swap children clothes and toys and donate items that they no longer need to local charities.	Warriewood
15 Oct 2016	Brookvale Show	Community festival	Brookvale Oval	Waste Education will run a bright, fun and engaging stall. Residents will be encouraged to 'Sort it Out' sorting contaminants out of the yellow container recycling bin for a prize.	Cromer

Date	Program	Type of education	Venue	Scope	Lead office
22 Oct 2016	Car Boot Sale	Combined sale	The Avalon Car Boot Sale - Dunbar Park Avalon	A readily accessible event to re-purpose and sell unwanted household items whilst promoting waste minimisation, reuse and recycling to the community	Warriewood
5 Nov 2016	Keeping Backyard Chickens	Community workshop	Cromer Community Centre	Introductory workshops to equip residents with the knowledge and know-how to begin keeping backyard chickens and reduce their food waste. Workshop will cover breed selection, feeding chickens, housing and council regulations.	Cromer
7-11 Nov 2016	National Recycling Week event	Community event	Rowland Reserve Bayview Village Park Mona Vale	Promote activities throughout the week - will include promotion at Dog Day by the Bay and Mona Vale Market Day	Warriewood
13 Nov 2016	Pet Poo Composter Trial	Stall at community event	Promotion of trial and survey at Dog Day by the Bay	Provide an alternative for households to reduce SUP plastics at home for pet waste management.	Warriewood
Nov-Dec 2016	School program – litterbug assemblies	schools	Primary schools in Manly area	Litter Bug assemblies (Primary)	Manly
Nov-Dec 2016	Christmas by the beach	Community festival	James Meehan Reserve , Dee Why	Two hands – marine waste; Waste ed quizzes and prizes	Cromer
Dec 2016	Ocean Care Day	Community festival	Manly	Ocean Care Day – litter and waste street theatre and art	Manly
Dec 2016 May 2017	Waste education stalls at events	Stall at community event	Manly Ocean Care Day Manly Food, Wine & Sustainability Festival	Waste and sustainable living education	Manly
Jan 2017	Theatre workshops	workshops	Manly	Litter education school holiday theatre workshops	Manly
Jan 2017	Campaign on cigarette butts	promotion	Manly	The only butts we want on our beaches campaign	Manly
Summer + key events	LitterGuards	Face-to-face education at beaches	Manly, plus trials in Dee Why and Pittwater locations TBC	LitterGuards education programs	Manly
Feb-Mar 2017	Special Event LitterGuards – AOS	Face-to-face event waste management education	Manly Ocean Beach	Face-to-face waste education at Australian Open of Surfing	Manly

Date	Program	Type of education	Venue	Scope	Lead office
Feb-Jun 2017	DIG Program	Workshops	TBC – Manly	Small space gardening workshops	Manly
March 2017	Clean Up Australia	Cleanup events and promotion	Separate Clean up events and dates for community, schools and business	Organise local event and support community-driven local events. Promote cleaning up and conserving our environment	Warriewood, Cromer, Manly
April 2017	Seniors Week - 2 workshops	workshops	TBC		Cromer
May 2017	Compost Awareness Week	workshops	Kimbriki	Support the existing national events and its environmental messaging	Warriewood
May-June 2017	Environment awards	Awards events	LGSA and KAB awards, Green Globes		Cromer
July 2017	Plastic free July	Launches, Promotion & workshops	Manly, Avalon, Dee Why	Plastic Free July and associated plastic free education and advocacy activities. Promotion to residents and staff, plus workshops and competitions	Warriewood, Cromer, Manly
July 2017	Plastic free July	School education	VC hub, Manly Library	Video-conferencing with Primary Schools	MEC
July 2017	Container Deposit Scheme	Promotion	TBC. Container Deposit Legislation commences July 2017	Monitor information about roll-out and plan accordingly, potential trial reverse vending machine	Warriewood

Waste Management Summary 2016 – A snapshot of our services

Public Waste bins

	North	Central	South
Number of bins	Approx. 200	Approx. 550	343
Frequency of service	Most cleared on 3 day per week roster. Those in higher use areas (ie. Beaches) are cleared daily	Daily – twice daily in December/January along beach reserves	Daily
Serviced by	Contractor	Contractor	Council day labour
Where does it go?	Non-recyclables to Belrose Recyclables to Kimbriki	Non-recyclables to Belrose transfer station, then transported to Eastern Creek landfill. Recyclables to Kimbriki	Non-recyclables to Belrose Recyclables to Kimbriki
Approximate Annual Tonnage	Garbage 1,148t Recyclables – tonnage estimated at less than 1 tonne per month	Garbage 1,320t .Recyclables collected with other recycling so no separate records	Garbage 940t Recyclables – 1,100t

Cleansing

	North	Central	South
Beach rake frequency	Beaches raked weekly from October to end of February and then monthly from March to end September	Schedule on web page – beaches raked weekly in summer and four weekly in winter	Beach rake is used daily on the main Ocean Beach, East and West Esplanade and Little Manly beaches daily. Other beaches are cleaned either twice or once weekly. Shelly Beach and East and West Esplanade are also manually cleaned.
Serviced by	Council staff		
Street sweeping frequency	Daily am shift in CBDs and select parking areas (Mon-Fri) Residential streets every 6 weeks Select main roads weekly Commercial Centre footpaths daily (by Reserves)	Residential streets every 10 weeks	Daily street sweeping regime for CBD, main roads and other critical roads. Residential areas – street sweeping and footpath cleaning – every 4- 6 weeks.
Shopping centres and public place cleaning	Town centres cleaned and blown daily and satellites (8) cleaned every 2 nd day	Main centres cleaned daily – schedule on web page	CBD and Seaforth, Fairlight and Balgowlah shops swept daily.

Domestic Waste Services

	North	Central	South
General waste bin volumes (red lid)	80L standard service collected weekly from mainland houses and units Offshore: 60L bins for accessible private jetties; Skip bins for public wharves. Collected twice weekly with extra summer services	Choice of 80L or 120L standard service - collected weekly Price varies according to volume Units: 240L communal bins in units with wheel in-wheel out service	80L collected weekly DWMC applies 240L shared between 4 units
Recycling containers (yellow lid)	1 x 140L bin fortnightly collection for mainland houses Offshore: 50L crate collected	1 x 120L standard service – additional and larger recycling bins available upon request for	1 x 120L standard service – additional and larger recycling bins available upon request for no extra charge.

	North	Central	South
	twice weekly, with additional services in summer	no extra charge Units: 240L communal bins with wheel in-wheel out service	Fortnightly collection Units 240L MGB shared
Recycling paper (blue lid)	1 x 140L bin fortnightly collection for mainland houses Offshore: 50L crate collected twice weekly, with additional services in summer	1 x 120L standard service – additional and larger recycling bins available upon request, no extra charge Units: 240L communal bins with wheel in-wheel out service	Fortnightly collection 1 x 120L standard service – additional and larger recycling bins available upon request for no extra charge Fortnightly collection Units 240L MGB shared
Vegetation (lime green lid)	Up to 2 x 240L bins per mainland property collected fortnightly. Offshore: Scotland Island has 2/year bundled collections. Western Foreshore does not have this service	Up to 4 x 240L bins collected fortnightly (a one-off additional charge applies for supply of additional green waste bins)	Up to 3 240L Monthly collection
Clean- up/Bulky goods	2/year by prior booking for mainland residents. Offshore: Scheduled collection 2/year.	2/year by set date – residents advised by letterbox drop 3 weeks prior. Metals collected separately	2/year by prior booking online
Who collects?	Contractor	Contractor	Council
Where does it go?	Garbage (Putrescible waste) delivered to Belrose Transfer Station then bulked up and hauled to Eastern Creek or Lucas Heights for disposal to landfill Recyclables - Kimbriki Bulky goods - Kimbriki Vegetation - Kimbriki		
Can additional services be arranged?	Yes. Variable charges apply		
Annual volumes (tonnes/year)	Non-recyclable waste: <ul style="list-style-type: none"> Garbage: 11,701 Clean Up 3,276 Recyclables: <ul style="list-style-type: none"> Paper: 3,581 Container: 4,259 Garden Organics: 7,541 	Non-recyclable waste <ul style="list-style-type: none"> 29,700 tonnes Recyclables <ul style="list-style-type: none"> 27,700 tonnes 	Non-recyclable waste <ul style="list-style-type: none"> Garbage - 8,000 Clean up 964 Recyclables <ul style="list-style-type: none"> Paper – 2,655 Commingled 2907 Vegetation 2240
Diversion of materials from landfill	49%	48%	47%
Batteries and phones	May be dropped off at Customer Service	May be dropped off at Customer Service	May be dropped off at Customer Service
E-waste – TV, computers, printers etc	No collection – customer take to Kimbriki or other e-waste drop off locations (ie Belrose transfer station, Officeworks)		
EPA funded Chemical Cleanout events for chemicals, paint, smoke detectors etc	Collections are held at Frenchs Forest and Mona Vale		