Mosman Council
Climate Action Community Consultative Committee Meeting

Harnett Room
21 November 2023
8.30 am – 10.10 am

Present

Chairperson:	Mayor Carolyn Corrigan	Madam Mayor (MM)
Deputy Chairperson:	Councillor Randall	MR
	Jane Wilder	JW
	Rosie Adams	RA
	Steven Smith	SS

This meeting was opened with the acknowledgement of country

		Action
1.	**Welcome** MM opened the meeting	
2.	**Apologies** Robert Grant, Sarah Rhodes, Craig Covich, Paloma Matis	
3.	**Disclosures Non – Pecuniary Interest** None to declare	
4.	**Climate Action Resilience Strategy Update** SS- Discussed recent amendments to plan and that it was adopted by Council on 14 November. It would have been good to run the amendments past the committee but unfortunately August's meeting was cancelled. Committee members were happy with the plan amendments with RA noting that the addition of tables is a great idea. RA also stated that the plan is more important than the mitigation plan. There was broad discussion around the Intergovernmental Panel on Climate Change (IPCC) and the 5 different rcp scenarios. It was agreed to discuss these prior to the next update of the plan. SS - stated that Council is part of the Sydney Coastal Councils Group project which are looking at sea level rise, however it's an ongoing topic as the State Government do not want to involve themselves or give funding. Council does not have the expertise to propose a figure for sea level rise so will continue to use the IPCC figures. SS - Mosman Council has engaged Manly Hydraulics Laboratory (MHL) to complete Councils flood study. It's an important study for Council and is mandatory for Council to complete.	Paloma Matis to present to Committee rcp scenarios

		Action
5.	**Mosman Council Environmental Research Micromex Research** SS – Presented a high-level survey for various environment and climate related topics. General discussion was had, and MM acknowledged the significance of the survey and that it showed good leadership. SS – noted that it was for internal use however would distribute slides with minutes once all Councillors have received a copy of the complete survey.	
6.	**Sustainability workshop update** SS – Ran through list of projects completed since May 2023. List also included proposed workshops and projects up to February 2024.	
7.	**General Business** MM – The Bus Walk. Bus 114 to encourage bus use instead of car use to get to local beaches. MM - Nomination Form – 2024 Citizen of the Year and Young Citizen of the Year. Nominations are now online.	
8.	**Next Years Meeting Schedule** 5 March 2024 4 June 2024 3 September 2024 All meetings will start at 8.30 am. **Meeting closed at 10:10 am**	

Mosman Council

Environmental Research

Prepared by: Micromex Research

Date: June 2023

Methodology and Sample

Sample selection and error

A total of 402 resident interviews were completed. Respondents were selected by means of a computer based random selection process using Australian marketing lists, Leading Lists, List Brokers and SamplePages.

A sample size of 402 residents provides a maximum sampling error of plus or minus 4.9% at 95% confidence. This means that if the survey was replicated with a new universe of N=402 residents, 19 times out of 20 we would expect to see the same results, i.e. +/- 4.9%.

For the survey under discussion the greatest margin of error is 4.9%. This means, for example, that an answer such as 'yes' (50%) to a question could vary from 45% to 55%.

Interviewing

Interviewing was conducted in accordance with The Research Society Code of Professional Behaviour.

Data analysis

The data within this report was analysed using Q Professional.

Within the report, ▲▼ and blue and red font colours are used to identify statistically significant differences between groups, i.e., gender, age, etc.

Significance difference testing is a statistical test performed to evaluate the difference between two measurements. To identify the statistically significant differences between the groups of means, 'One-Way Anova tests' and 'Independent Samples T-tests' were used. 'Z Tests' were also used to determine statistically significant differences between column percentages.

Note: All percentages are calculated to the nearest whole number and therefore the total may not exactly equal 100%.

Ratings questions

The Unipolar Scale of 1 to 5 was used in all rating questions, where 1 was the lowest importance or satisfaction and 5 the highest importance or satisfaction.

This scale allowed us to identify different levels of importance and satisfaction across respondents.

Top 2 (T2) Box: refers to the aggregate percentage (%) score of the top two scores for importance. (i.e. important & very important)

Top 3 (T3) Box: refers to the aggregate percentage (%) score of the top three scores for satisfaction or support. (i.e. somewhat satisfied, satisfied & very satisfied)

We refer to T3 Box Satisfaction in order to express moderate to high levels of satisfaction in a non-discretionary category. We only report T2 Box Importance in order to provide differentiation and allow us to demonstrate the hierarchy of community priorities.

Sample Profile

Gender

Female 55%

Male 45%

Age

22% (18-34)
25% (35-49)
26% (50-64)
27% (65+)

■ 18-34 ■ 35-49 ■ 50-64 ■ 65+

Dwelling type

Separate house	49%
Unit	20%
Flat/apartment	18%
Semi-detached	8%
Townhouse/villa	4%
Other	1%

Housing status

Own home
78%

Rent home
22 %

Time lived in area

3% — 2 years or less
8% — 3-5 years
19% — 6-10 years
27% — 11-20 years
43% — More than 20 years

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Version: 1.0, Version Date: 28/11/2023

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The sample was weighted by age and gender to reflect the 2021 ABS Census data for Mosman Council area.

Section One
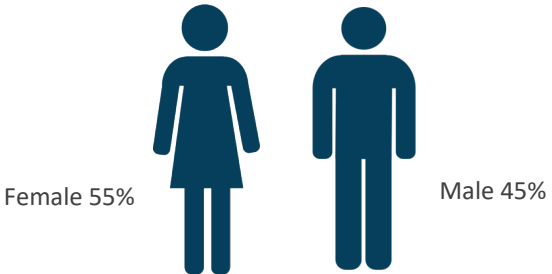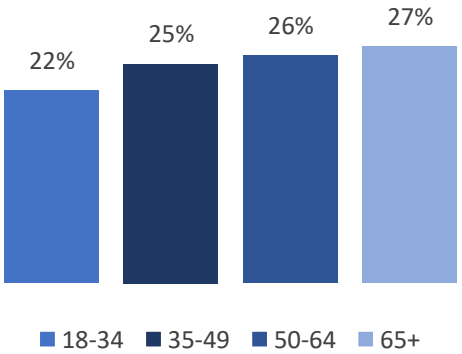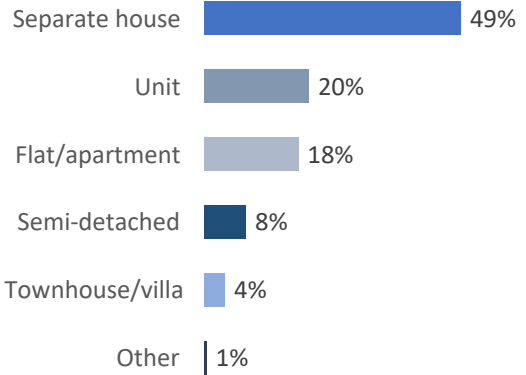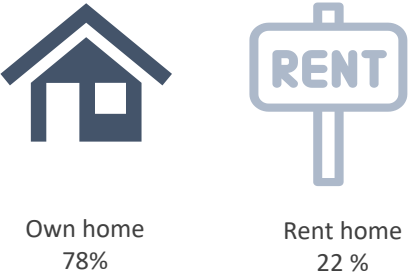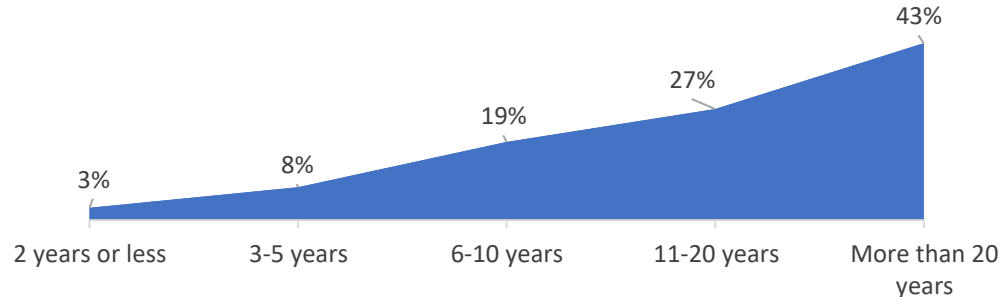
Section 1:

Perceptions and Experiences

This section explores resident attitudes, behaviours and concerns for sustainability measures such as preparedness to respond in an emergency, personal actions, concerns for climate change and reducing energy consumption.

Preparedness to Respond in an Emergency Situation

Overall, 89% of Mosman residents feel they are at least somewhat prepared to respond to a sudden emergency situation. Females are significantly less likely to state they feel at least somewhat prepared. Preparedness appears to increase with age, and those currently living in a rental feel marginally more prepared.

	Overall	Male	Female	18-34	35-49	50-64	65+	Own home	Rent
Top 3 Box %	89%	93%▲	86%	88%	84%	91%	93%	88%	93%
Mean rating	3.63	3.72	3.56	3.54	3.57	3.64	3.76	3.61	3.73
Base	401	179	222	86	102	104	109	311	89

- Very prepared (5): 21%
- Prepared (4): 37%
- Somewhat prepared (3): 31%
- Not very prepared (2): 7%
- Not at all prepared (1): 4%
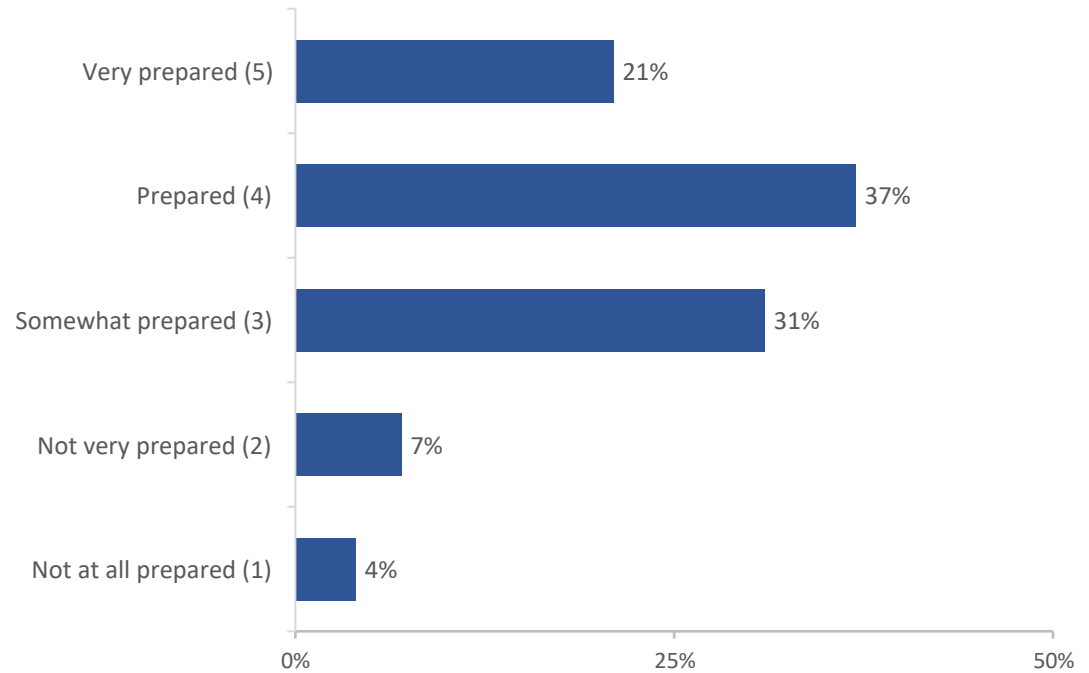
Scale: 1 = not at all prepared, 5 = very prepared

▲ ▼ = A significantly higher/lower level of preparedness (by group)

Q2. How prepared do you feel you and/or your family are to respond to a sudden emergency situation, on a scale of 1 to 5, where 1 is not at all prepared, and 5 is very prepared?

Agreement with Connectedness

Agreement is high for connectedness measures, with 78% stating they agree/strongly agree that they can get help when needed and 71% feel apart of their neighbourhood/community (a significantly higher result than our Micromex Metro Benchmark). Those aged 18-34 are significantly less likely to agree/strongly agree that feel part of their neighbourhood/community.

Agree/ strongly agree	Overall	Male	Female	18-34	35-49	50-64	65+	Own home	Rent
Can get help	78%	79%	78%	73%	79%	76%	84%	78%	78%
Feel part of community	71%	69%	73%	55%▼	78%	77%	71%	76%▲	54%
Base	402	180	222	86	102	104	110	312	89

	Top 2 Box	Metro Benchmark

I can get help from friends, family or neighbours when needed — -3% | -6% | 31% | 47% — 78% | 78%

I feel part of my neighbourhood or community — -1% | -4% | 35% | 36% — 71%↑ | 64%

Legend: ■ Strongly disagree ■ Disagree ■ Agree ■ Strongly agree

Base: N = 402

Q12a. *I'm going to ask you a number of questions about your perceptions and experiences of your neighbourhood and Mosman as a place to live. I'm going to read out some statements and I'd like you to rate them on a scale of 1-5, where 1 is strongly disagree and 5 is strongly agree.*

▲ ▼ = A significantly higher/lower percentage (by group)

Importance of Issues Facing Mosman Today

Residents believe transport and waste generation/recycling are the most important issues facing the Mosman area today, with 50% stating transport is 'very important'. Females were significantly more likely to rate all issues higher in importance (see next slide). On the next slide we have also provided comparisons to previous years, although this is only for a point of reference due to an 8 year gap in research and slight wording changes. However, climate change has seen the largest increase in importance from 2015, with a mean rating increasing from 3.57 to 3.80.

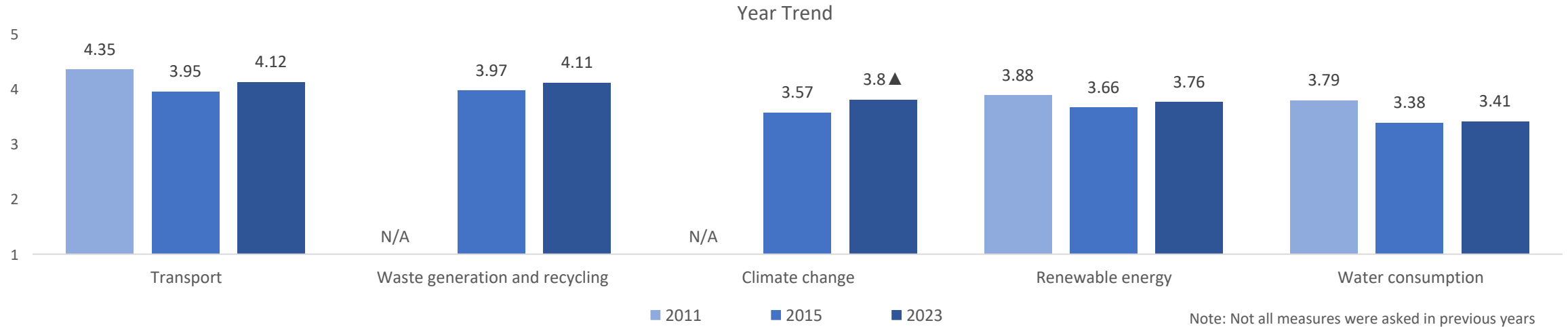|	T3B%	T2B%	Mean rating
Transport (public and private)	89%	77%	4.12
Waste generation and recycling	92%	77%	4.11
Biodiversity and tree cover	90%	68%	3.93
Climate Change	80%	66%	3.80
Recovery and resilience from extreme weather events	86%	63%	3.77
Renewable energy	85%	63%	3.76
Water consumption	75%	48%	3.41

Chart values (Somewhat important (3) / Important (4) / Very important (5)):
- Transport (public and private): 12% / 27% / 50%
- Waste generation and recycling: 15% / 31% / 46%
- Biodiversity and tree cover: 22% / 28% / 40%
- Climate Change: 14% / 23% / 43%
- Recovery and resilience from extreme weather events: 22% / 29% / 35%
- Renewable energy: 22% / 27% / 36%
- Water consumption: 27% / 22% / 26%

■ Somewhat important (3) ■ Important (4) ■ Very important (5)

T3B = At least somewhat important
T2B = Important/Very important

Base: N = 401-402

Q4. Please rate the following issues facing Mosman today on a scale of 1 to 5, where 1 means not at all important and 5 means very important.

Scale: 1 = not at all important, 5 = very important

Importance of Issues Facing Mosman Today

Year Trend

Bar chart showing importance ratings for 2011, 2015, and 2023:

- **Transport**: 2011: 4.35, 2015: 3.95, 2023: 4.12
- **Waste generation and recycling**: 2011: N/A, 2015: 3.97, 2023: 4.11
- **Climate change**: 2011: N/A, 2015: 3.57, 2023: 3.8 ▲
- **Renewable energy**: 2011: 3.88, 2015: 3.66, 2023: 3.76
- **Water consumption**: 2011: 3.79, 2015: 3.38, 2023: 3.41

■ 2011 ■ 2015 ■ 2023

Note: Not all measures were asked in previous years

	Overall	Male	Female	18-34	35-49	50-64	65+	Own home	Rent
Transport (public and private)	4.12	3.95	4.26 ▲	4.03	4.12	4.11	4.21	4.16	4.03
Waste generation and recycling	4.11	3.77	4.39 ▲	3.84	4.27	4.06	4.22	4.15	3.99
Biodiversity and tree cover	3.93	3.73	4.10 ▲	3.92	3.99	3.80	4.01	3.89	4.08
Climate Change	3.80	3.44	4.09 ▲	3.91	3.75	3.87	3.68	3.79	3.79
Recovery and resilience from extreme weather events	3.77	3.47	4.02 ▲	3.77	3.76	3.65	3.90	3.74	3.92
Renewable energy	3.76	3.47	3.99 ▲	3.80	3.67	3.81	3.76	3.75	3.80
Water consumption	3.41	3.11	3.66 ▲	3.22	3.51	3.20	3.69 ▲	3.42	3.41
Base	401	179	222	86	102	104	109	311	89

Base: 2023 N = 402, 2015 N = 400, 2011 N = 440

Scale: 1 = not at all important, 5 = very important

▲ ▼ = A significantly higher/lower rating (by group/year)

Q4. Please rate the following issues facing Mosman today on a scale of 1 to 5, where 1 means not at all important and 5 means very important.
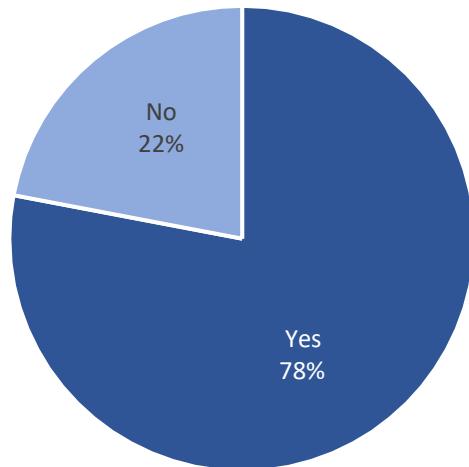
Concern for Climate Change

Overall, 78% of Mosman residents are concerned about climate change. Thinking about climate change, residents are most concerned about the impacts on quality of life, maintaining eco-systems and the impact on future generations.

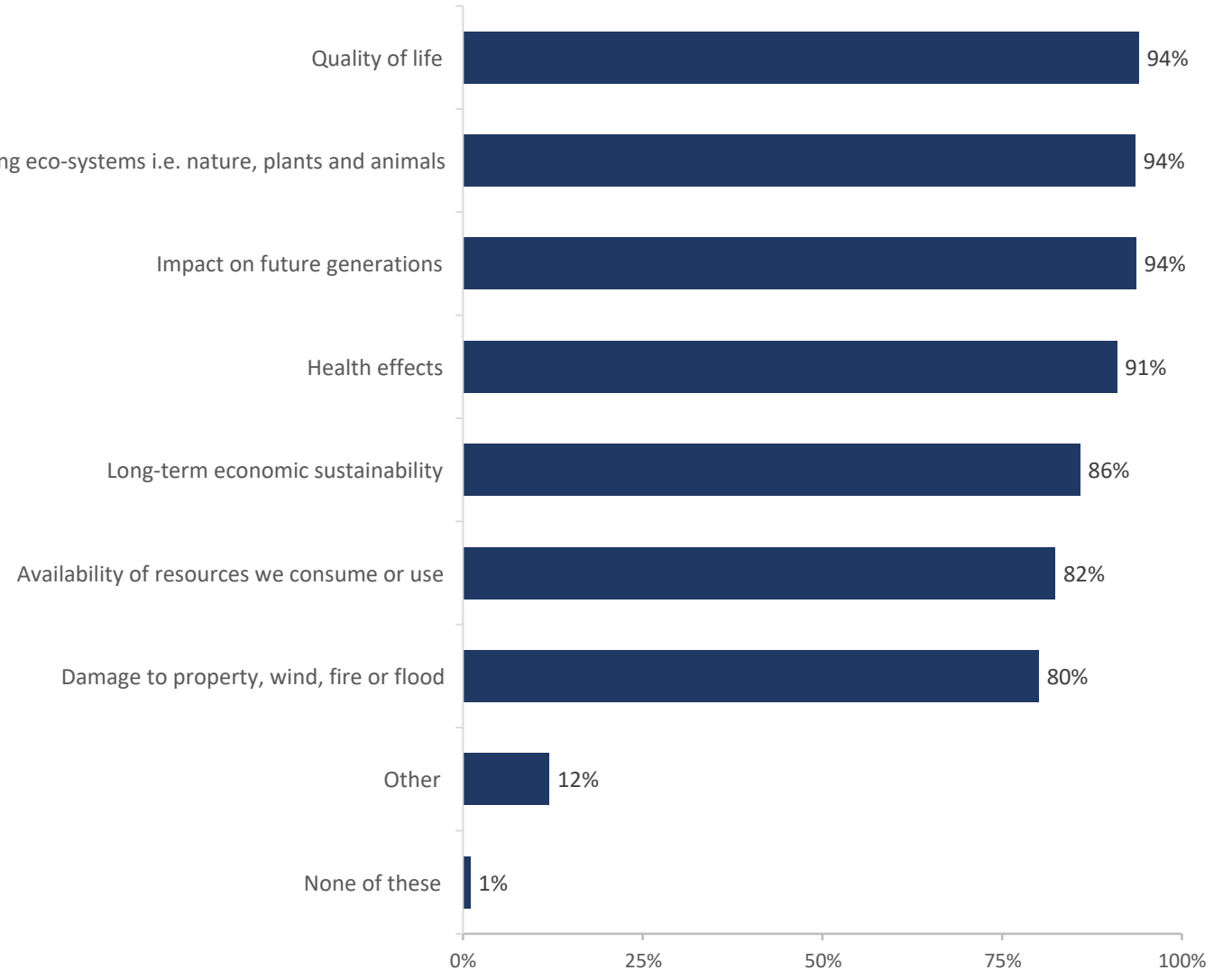Residents aged 65+ are significantly less concerned about climate change. Females and home owners are significantly more concerned about climate change impacting the long-term economic sustainability (see next slide).

Concerned about climate change

No 22%

Yes 78%

Base: N = 401

Category	Percent
Quality of life	94%
Maintaining eco-systems i.e. nature, plants and animals	94%
Impact on future generations	94%
Health effects	91%
Long-term economic sustainability	86%
Availability of resources we consume or use	82%
Damage to property, wind, fire or flood	80%
Other	12%
None of these	1%

Base: N = 314
(those who ARE concerned about climate change)

Q6.   Thinking about climate change which if any of the following issues are you concerned about?

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Concern for Climate Change

	Overall	Male	Female	18-34	35-49	50-64	65+	Own home	Rent
Concerned about climate change	78%	76%	80%	85%	83%	78%	69%▼	77%	84%
Not concerned	22%	24%	20%	15%	17%	22%	31%▲	23%	16%
Base	401	180	221	86	102	103	110	311	89

	Overall	Male	Female	18-34	35-49	50-64	65+	Own home	Rent
Quality of life	94%	94%	94%	91%	92%	98%	96%	95%	92%
Maintaining eco-systems i.e. nature, plants and animals	94%	94%	93%	94%	92%	93%	96%	94%	93%
Impact on future generations	94%	93%	94%	94%	93%	93%	95%	94%	91%
Health effects	91%	90%	92%	94%	93%	85%	91%	90%	94%
Long-term economic sustainability	86%	80%	90%▲	79%	83%	89%	92%	89%▲	77%
Availability of resources we consume or use	82%	81%	83%	79%	84%	86%	81%	84%	78%
Damage to property, wind, fire or flood	80%	75%	84%	82%	80%	73%	86%	81%	76%
Other	12%	16%	9%	15%	11%	10%	11%	12%	12%
None of these	1%	1%	1%	0%	3%	1%	0%	1%	2%
Base	314	136	178	73	84	80	76	239	74

Q6. Thinking about climate change which if any of the following issues are you concerned about?

▲▼ = A significantly higher/lower percentage (by group)
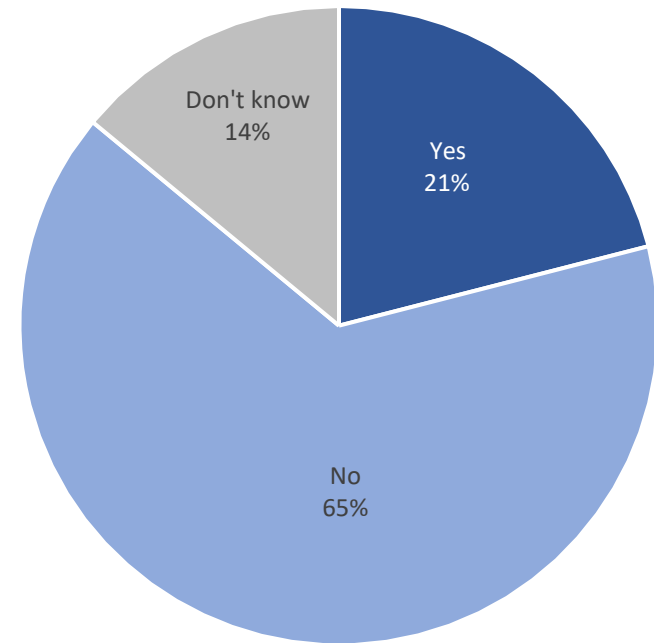
Energy Consumption

Energy efficient light bulbs and appliances are the most common ways in which residents reduce their energy consumption. Home owners are significantly more likely to have installed energy efficient light bulbs, energy efficient insulation and to have installed solar panels.

1 in 5 currently use Green Power (renewable energy) in their home.

Energy Reduction Measures

Measure	2023	2015	2011
Installed energy efficient light bulbs	87%	90%	94%
Purchased energy efficient household appliances	78%	79%	
Installed energy efficient insulation	47%	52%	46%
Installed solar panels	23%▲	10%	14%
Installed a solar water heater or heat pump*	12%▼*	42%	43%
None of these	4%	2%	4%

■ 2023 (N=402)   ■ 2015 (N=400)   ■ 2011 (N=440)

Using Green Power in the Home

- Yes 21%
- No 65%
- Don't know 14%
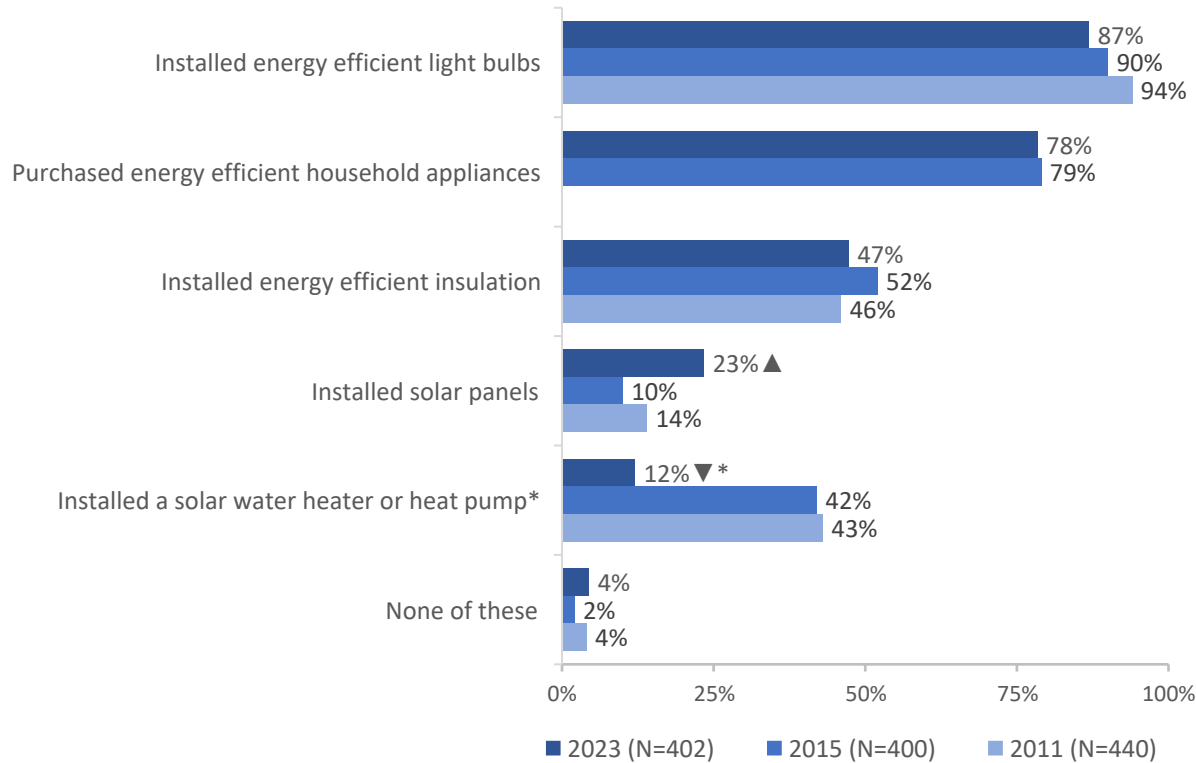
Base: N = 402

▲▼ = Significantly higher/lower (by year)

*Previously labelled: 'Installed a solar or gas powered water heater'

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Q7a: *Which, if any, of the following actions have you personally taken to reduce your energy consumption?*
Q7b: *Does your home currently use Green Power (renewable energy)?*

Energy Consumption

Energy Reduction Measures	Overall	Male	Female	18-34	35-49	50-64	65+	Own home	Rent
Installed energy efficient light bulbs	87%	86%	88%	80%	84%	93%▲	90%	90%▲	75%
Purchased energy efficient household appliances	78%	78%	78%	82%	80%	81%	71%▼	80%	75%
Installed energy efficient insulation	47%	48%	47%	20%▼	51%	68%▲	46%	57%▲	13%
Installed solar panels	23%	25%	22%	15%	26%	34%▲	17%▼	27%▲	10%
Installed a solar water heater or heat pump	12%	12%	12%	10%	16%	14%	7%▼	14%	4%
None of these	4%	4%	5%	2%	9%▲	1%▼	5%	3%	10%▲
Base	402	180	222	86	102	104	110	312	89

Using Green Power in the Home	Overall	Male	Female	18-34	35-49	50-64	65+	Own home	Rent
Yes	21%	18%	23%	15%	28%▲	26%	13%▼	23%	13%
No	65%	66%	64%	57%	61%	63%	76%▲	65%	66%
Don't know	14%	17%	13%	28%▲	10%	11%	11%	13%	21%
Base	402	180	222	86	102	104	110	312	89

Q7a: *Which, if any, of the following actions have you personally taken to reduce your energy consumption?*
Q7b: *Does your home currently use Green Power (renewable energy)?*

▲▼ = A significantly higher/lower percentage (by group)

Electric Vehicles

Although current usage and ownership of electric vehicles (EV) is low (11%), awareness and consideration is relatively high, with 63% of those who do not use/own and EV considering one.

Home owners are significantly more likely to own/use an EV, and of those that don't, those aged 35-64 are significantly more likely to consider one.
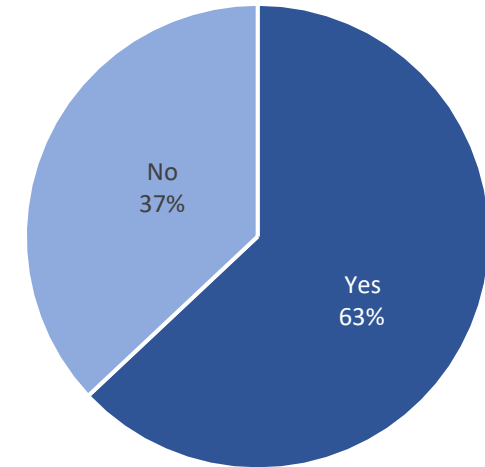
71% of residents are aware of the 3 fast car chargers available in Mosman and 77% believe Council should advocate for more EV charging stations.

Own/Use an electric vehicle

Yes 11%
No 89%
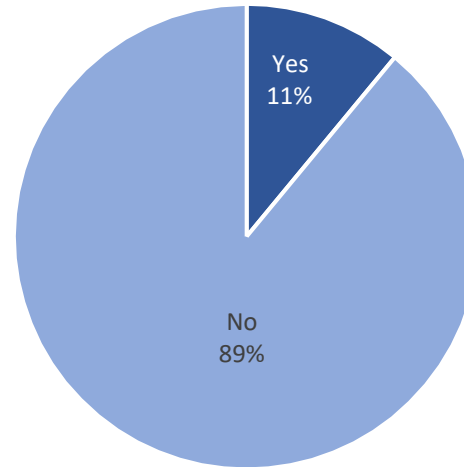
Base: N = 402

If no →

Consider an electric vehicle

No 37%
Yes 63%

Base: N = 360

Awareness of fast car chargers in Mosman

No 29%
Yes 71%
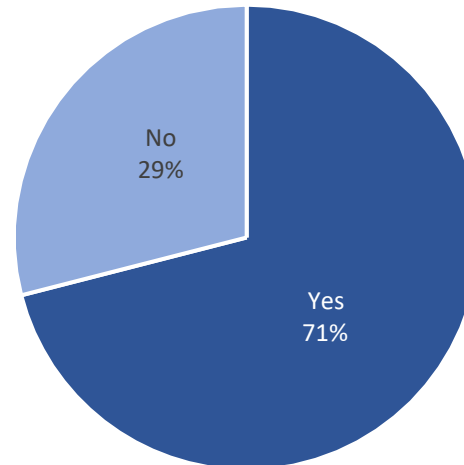
Base: N = 402

Should Council advocate for more EV charging stations?

No 23%
Yes 77%
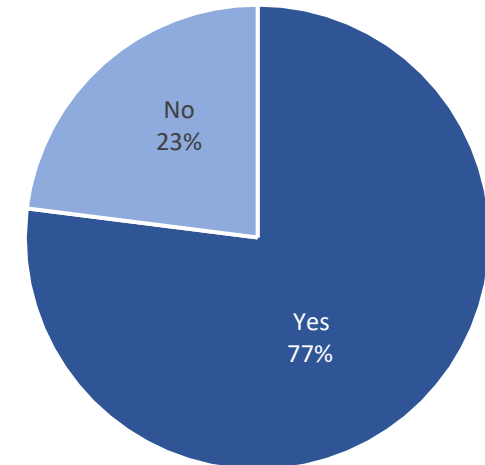
Base: N = 400

Q14a.   Do you own or use an electric vehicle?
Q14b.   (If no on Q14a) Would you consider purchasing an electric vehicle?
Q14c. Are you aware there are 3 publicly available fast car chargers in Mosman?
Q14d. Do you think the Council should advocate for more EV charging stations?

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Section 2:

Awareness

This section determines awareness levels of Council's Climate Action Plan and mitigation actions and explores preferred methods of receiving information from Council about sustainability and waste issues.
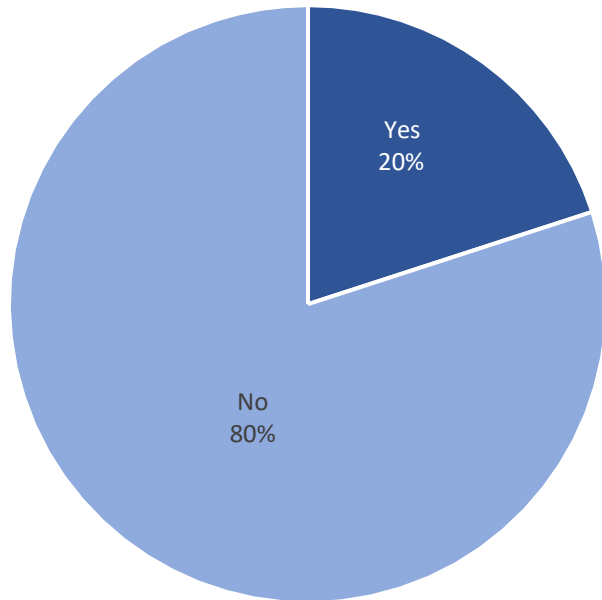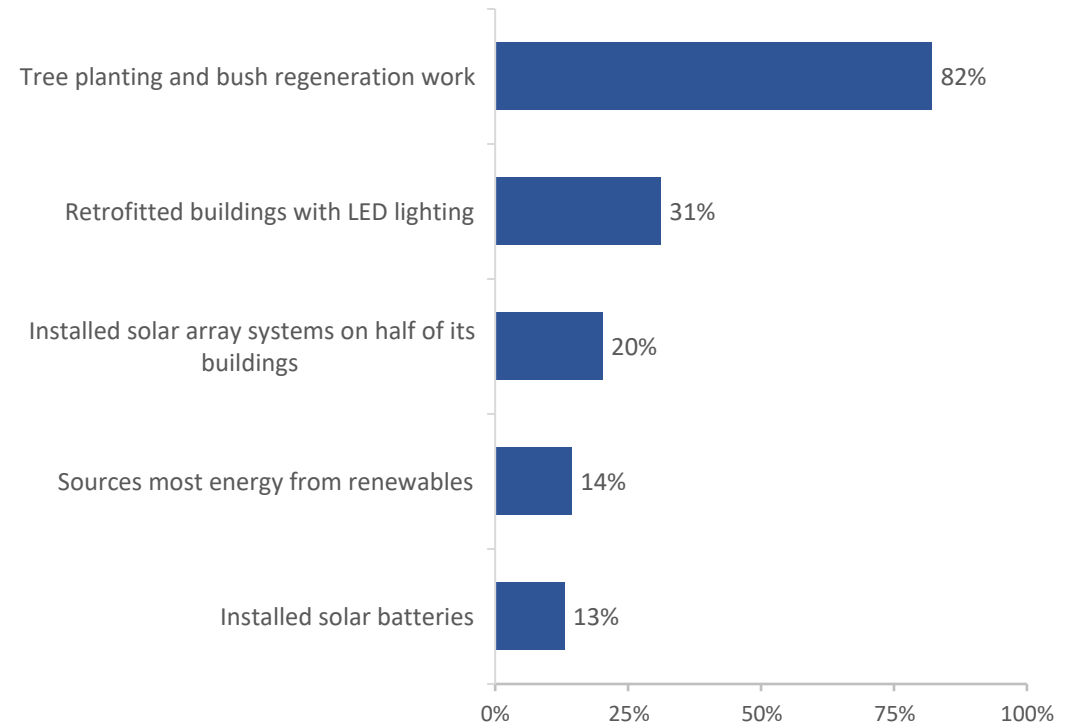
Section Two

Climate Action Plan

1 in 5 residents are aware of Council's Climate Action Plan and 82% are aware of Councils tree planting and bush regeneration work.

Males are generally less aware of mitigation actions and of the Plan overall.

Awareness of Council's Climate Action Plan

Yes 20%

No 80%

Awareness of Mitigation Actions (Yes %)

Action	%
Tree planting and bush regeneration work	82%
Retrofitted buildings with LED lighting	31%
Installed solar array systems on half of its buildings	20%
Sources most energy from renewables	14%
Installed solar batteries	13%

Please see Appendix 1 for results by demographics

Base: N = 402

Q11.   Are you aware of the Council's Climate Action Plan - Mitigation Strategy and Climate Action Plan - Resilience and Adaptation Strategy, that are aimed at reaching net zero targets for Council and the Community and preparing and adapting from the impacts of climate change?

Q12.   Council has made mitigation actions that are being/have been undertaken to assist achieve the Climate action plan. For each of the actions, please tell me if you are aware of them or not.
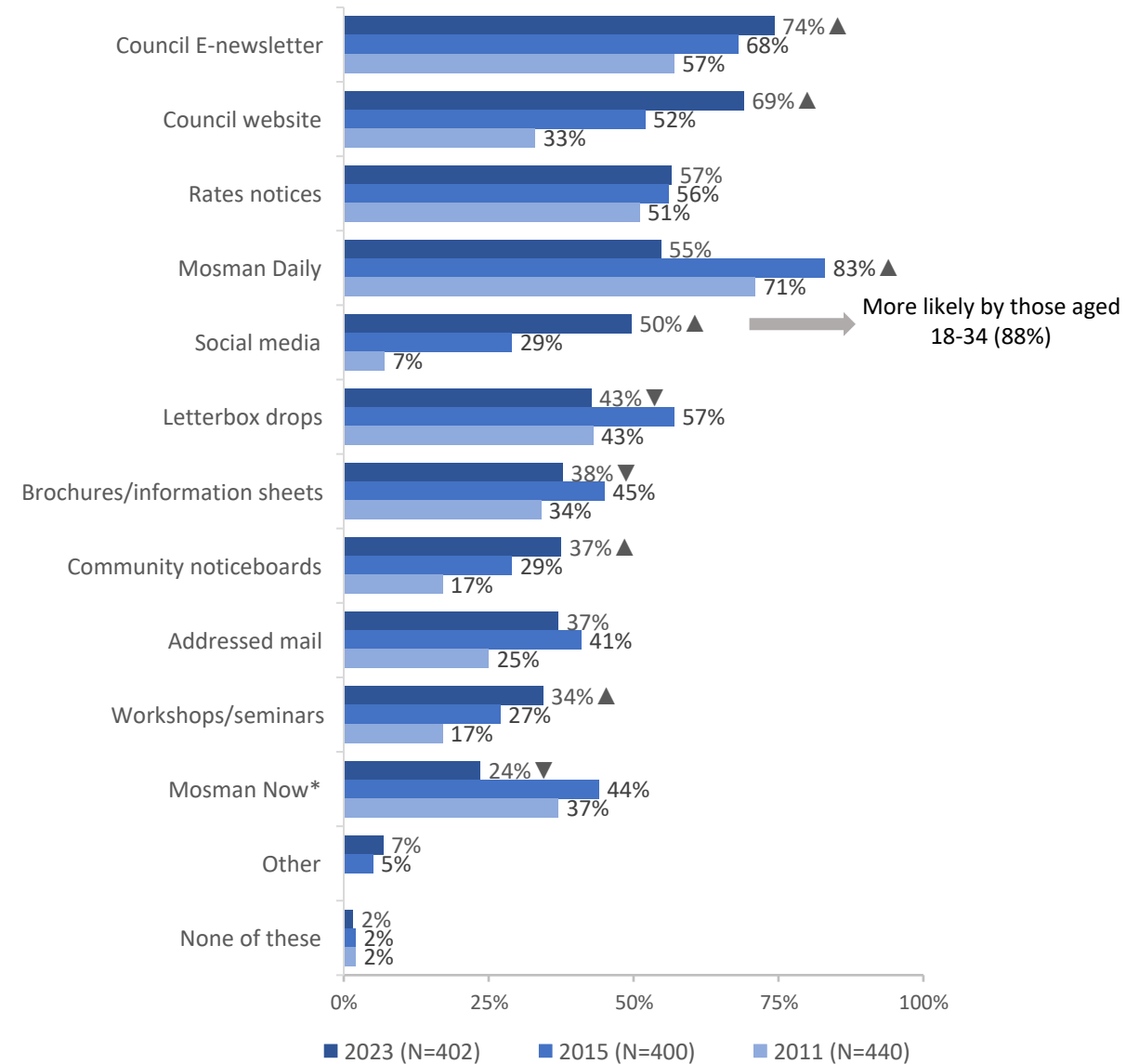
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Information on Sustainability

Approximately 1 in 4 are aware of the Living Mosman Program (a series of workshops and events about sustainability) – In line with 2015 results (25% aware).

Council e-newsletter and the website are increasingly the preferred methods of receiving information from Council about sustainability and waste issues.

Awareness of the Living in Mosman Program
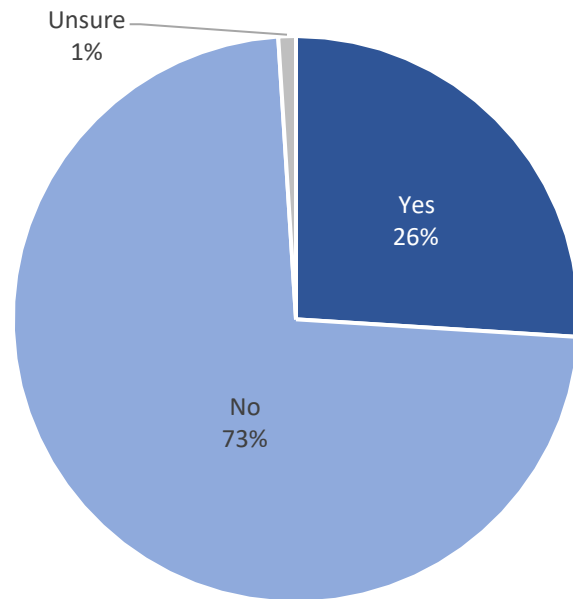
Unsure
1%

Yes
26%

No
73%

Preferred Methods of Receiving Information from Council about Sustainability and Waste Issues

Council E-newsletter: 74%▲ / 68% / 57%
Council website: 69%▲ / 52% / 33%
Rates notices: 57% / 56% / 51%
Mosman Daily: 55% / 83%▲ / 71%
Social media: 50%▲ / 29% / 7% → More likely by those aged 18-34 (88%)
Letterbox drops: 43%▼ / 57% / 43%
Brochures/information sheets: 38%▼ / 45% / 34%
Community noticeboards: 37%▲ / 29% / 17%
Addressed mail: 37% / 41% / 25%
Workshops/seminars: 34%▲ / 27% / 17%
Mosman Now*: 24%▼ / 44% / 37%
Other: 7% / 5%
None of these: 2% / 2% / 2%

■ 2023 (N=402) ■ 2015 (N=400) ■ 2011 (N=440)

▲ ▼ = Significantly higher/lower (by year)

*Compared to previous 'Mosman News'

Please see Appendix 1 for 'other' specified and by demographics

Base: N = 402

Q15a. The Living Mosman Program is a series of workshops and events about sustainability. Have you heard about the Living Mosman Program?
Q15b. How would you prefer to receive information from Council about sustainability and waste issues?

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Information on Sustainability

Preferred Methods of Receiving Information from Council about Sustainability and Waste Issues

	Overall	Male	Female	18-34	35-49	50-64	65+	Own home	Rent
Council E-newsletter	74%	67%	80%▲	54%▼	84%▲	81%	75%	77%▲	63%
Council website	69%	75%▲	64%	83%▲	72%	74%	51%▼	64%	85%▲
Rates notices	57%	56%	57%	45%	58%	56%	64%▲	61%▲	39%
Mosman Daily	55%	54%	55%	68%	52%	48%	53%	53%	63%
Social media	50%	50%	49%	88%▲	56%	38%▼	25%▼	43%	73%▲
Letterbox drops	43%	41%	44%	30%	34%▼	36%	67%▲	46%▲	31%
Brochures/information sheets	38%	43%	34%	43%	31%	28%▼	48%▲	37%	39%
Community noticeboards	37%	42%	34%	55%▲	42%	28%▼	29%▼	32%	57%▲
Addressed mail	37%	38%	36%	33%	34%	28%▼	51%▲	39%	28%
Workshops/seminars	34%	36%	33%	38%	37%	37%	27%▼	31%	47%▲
Mosman Now	24%	23%	24%	30%	22%	20%	24%	21%	31%
Other	7%	8%	5%	8%	7%	6%	6%	6%	11%
None of these	2%	2%	1%	0%	0%	3%	3%	2%	1%
Base	402	180	222	86	102	104	110	312	89

Other specified	Count
Direct email	16
Introduce an information 'stall' at Mosman Markets	2
Library	2
Text message	2
Mosman app	1
Mosman Collective	1
Mosman Living (a profile on Instagram)	1
Record workshops/seminars and make them available to participate in or watch later online	1
Sustainability information with the yearly calendar	1
With the annual bin-schedule e.g. that people keep on their fridge	1

Q43b. *How would you prefer to receive information from Council about sustainability and waste issues?*

▲▼ = A significantly higher/lower percentage (by group)

Appendix 1:

Additional Analyses

Appendix 1