



City of Cockburn

Our Sustainable & Climate Resilient Future:

Community Engagement Outcomes Report

Version 3 Issued: 23 June 2020



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1. Executive Summary

The City of Cockburn sought community input to guide the development of its inaugural Climate Change Strategy. The City engaged Town Team Movement to undertake the engagement process.

The engagement program targeted residents all of ages, businesses, key stakeholders, community and minority groups. As a result, over 2000 people visited the City's project page, "Our Sustainable and Climate Resilient Future" and nearly 1000 visited the online survey. In total, 309 survey responses were received, seven submissions were made, nine digital workshops were facilitated and the City had one of its highest visitation rates on the 'Comment on Cockburn' webpage.

The engagement results reveal that respondents have a clear vision for Cockburn when it comes to a more sustainable and climate resilient future. Respondents are vastly supportive of an Aspirational Approach, where together we aim for best practice in Western Australia and are prepared for some adaptive changes to create a better tomorrow. More specifically, this means:

- Aiming towards being a Carbon Neutral City
- Support for strong action towards reducing greenhouse gas emissions by all emitters
- Investing in education and immersive cultural programs to support the community's own adaptation initiatives and increase awareness of everyone's environment impact
- Reducing energy and consumption costs for council operations
- Preservation and enhancement of our unique natural landscape

A shared environmental vision has been developed having regard to the insightful conversations and results of the engagement program, which states:

The City of Cockburn is a leader in climate resilience and sustainability. Our community provides us with the strength and optimism to be aspirational in our approach to creating a better tomorrow for each and every one of us.

We are aware of our lasting environmental impact. We are committed to taking pride in working together, celebrating our successes and being resilient and adaptive to our changing climate.

In summary, the engagement results provide the aspiration and confidence for the City to be a strong leader and facilitator amongst its state peers to creating an even more sustainable and climate resilient future.

2. Introduction

The City of Cockburn has engaged The Place Team (Town Team Movement) to lead the design and facilitation of an engagement program aimed at seeking feedback from ratepayers, residents and businesses regarding a leadership direction for creating an even more sustainable and climate resilient future. The engagement approach sought to address three key challenges for the City:

- Seek the community's vision for creating a more sustainable and resilient future
- Determine the community's aspiration for the City to demonstrate climate resilient and sustainable leadership
- Gain insight into priority areas for adaptation and resilience

The results and key recommendations of the engagement program will inform the preparation of the City's Climate Change Strategy.

The City's Strategic Community Plan 2016-2026 aims to achieve five core community aspirations as listed in its strategic objectives. The following two objectives are essential to the subject engagement project:

Leading & Listening
Economic, Social & Environmental Responsibility

More specifically, point 5 of 'Leading & Listening' objective states the following:

"Provide for community and civic infrastructure in a planned and sustainable manner, including administration, operations and waste management."

Points 3-6 of 'Economic, Social & Environment Responsibility' objective states:

"Sustainably manage our environment by protecting, managing and enhancing our unique natural resources and minimising risks to human health."

"Improve the appearance of streetscapes, especially with trees suitable for shade."

"Improve water efficiency, energy efficiency and waste management within the City's buildings and facilities and more broadly in our community."

"Further develop adaptation actions including planning; infrastructure and ecological management to reduce adverse outcomes arising from climate change."

The City has prioritised development of the City's Climate Change Strategy as a key initiative to meet the aspirations identified within the City's Strategic Community Plan 2016-2026. Public and Stakeholder Engagement is critical to informing a future vision, adaption and resilience measures to guide the Climate Change Strategy.

3. Background

The City of Cockburn has been taking action to adapt to the impact of climate change for more than 20 years.

The City of Cockburn participated in a regional climate change adaptation planning process in conjunction with the South-Metropolitan Regional Council in 2009 to identify regional risks and adaptation actions. Subsequently, the City prepared an operational Climate Change Adaptation Plan, which included a set of actions to manage the specific risks.

The Adaptation Action Plan is due for review in 2020 as part of the development of a Climate Change Strategy. The subject community consultation is undertaken to gain an understanding on how the community would like the City to demonstrate future leadership in climate change.

Some of the key climate achievements completed to date include:

- Largest inventory of solar panels in WA Local Government
- 23% of electricity is sourced from roof top solar
- 100 MW PV and geothermal at the ARC
- Best practise coastal management

The City has also been awarded on multiple occasions for its on-going commitment to sustainability.

This project reflects the City's aim to engage with ratepayers, residents, businesses and relevant stakeholders regarding the future sustainable and climate vision, leadership aspirations, adaptation and resilience priorities and objectives.

The next stages of the project will be to draft the climate change strategy. The adopted strategy is expected to be endorsed by the city in 2020 and include objectives for the next 10-year period.

4. The Community Engagement Process

It was critical that the City implemented a considered approach to engaging with its residents and businesses to better understand the future issues regarding a more sustainable and climate resilient future.

The comprehensive community engagement approach addressed the following matters:

- Developing an understanding of a collective vision for the future of sustainable and climate resilient leadership.
- Understanding the resident, business, staff and elected members aspirations for creating an even more sustainable and climate resilient future.
- Understanding the resident, business and staff challenges or barriers and ideas to overcome these challenges for implementing direct climate and sustainable action.
- Adaptation and Resilient priorities for future implementation (including, bushfire prevention, coastal management, biodiversity protection, water conservation, community health, education and empowerment, etc).
- Understanding the resident and businesses aspirations and direction for future greenhouse gas emission targets.
- Listening and responding to any additional comments.

5. Community Engagement Audience

It is important that the engagement program be accessible and inclusive of all the City's residents and businesses etc, so the engagement process targeted a variety of stakeholders applying new and innovative engagement methods to understand how best to achieve this.

In addition to seeking input from residents and businesses, the following specific reference groups were targeted and invited to participate in virtual and face-to-face workshops;

- Children's Reference Group
- Youth Advisory Committee
- Business and Industry Groups and organisations
- Aboriginal Reference Group
- Disabilities Reference Group
- Community and Stakeholder Groups
- City of Cockburn Staff
- Elected Members

Please note that due to the COVID-19 crisis, some face-to-face conversations and workshops were modified, and new approaches were initiated to reach our diverse audiences using innovative virtual engagement tools and practising safe social distancing at all times. In all cases, every attempt was made to reach out to each of the identified groups above for relevant input and positive feedback was received stating that virtual workshops were accessible, easy to follow and more convenient than face-to-face methods. Participants even asked for more virtual tools to be implemented in future engagement projects.

6. Engagement Methodology

The engagement period started on 1 May 2020 and concluded on 28 May 2020. Public surveys, marketing content and an online project page was setup during this period to allow residents to provide feedback. In total, engagement reached over 30,000 ratepayers, residents, businesses and relevant stakeholders.

The project was communicated in a number of ways, including following:

- Email to a random sample of 5000 ratepayers
- E-News (various) to over 7000 subscribers
- Social media posts and advertisements with a reach of over 25,000 people
- Targeted social media posts and advertisements to youth audience with reach more than 5,000
- E-mail with workshops invitations, survey and detailed information sent to City databases including seniors centre database, cultural database, schools database, youth database, business database, environment database and 23 City of Cockburn resident groups / associations
- A dedicated page on the City's engagement website, Comment on Cockburn, housing project information, Q&A board, workshop and listening post dates and registration forms, and a survey
- Marketing and promotion driving visitors to Comment on Cockburn including billboards and e-newsletters
- Translated language text in Hindi, Mandarin/Chinese and Filipino/Tagalog for multicultural social media groups
- Direct contact with key stakeholders: WALGA, WALGA Sustainability Officer Network, DWER, Cockburn Sound Coastal Alliance, Coastcare / Perth NRM, Native Arc, Cockburn Wetlands Education Centre, Friends of Groups, Millenium Kids, Teachers involved in prior sustainability projects / initiatives
- Posters with QR codes for display at high school and electronic copies sent to P&C / Teachers
- Two advertisements in the Cockburn Gazette
- Other marketing and promotion

The following direct initiatives were undertaken to engage with the diverse ratepayers, residents, businesses and relevant stakeholders within the City of Cockburn:

- Phone conversations and feedback with members of the City's Aboriginal Reference Group
- One virtual consultation workshop with the City's Children's Reference Group
- One virtual consultation workshop with the City's Youth Advisory Group
- One face-to-face consultation workshop with the City's Youth Advisory Group
- One virtual consultation workshop with the City's Disability Reference Group
- One virtual consultation workshop with the Business and Industry members and organisations located within the City's LGA boundary
- One virtual consultation workshop with general community members
- Two virtual community listening posts for community members to ask general questions and seek feedback on past and existing sustainability initiatives
- One virtual consultation workshop with the City's staff
- One virtual consultation workshop with elected members
- General email feedback and ideas relating to sustainability and resilience planning

7. Engagement Results

The following is an analysis of the survey undertaken and discussion outcomes, organised by the general public (via survey feedback) and each stakeholder group.

General Survey Results

The engagement included a public community survey open to all residents for a 28-day comment period between 1-28 May 2020. In total, more than 2,000 people visited the Comment on Cockburn webpage during the consultation period (including many people visiting for the first time) and 309 public submissions were received, which is considered a good sample size for analysing the sentiment and needs of the population within the City.

153 people also visited the 'Frequently Asked Questions' page, which is a positive tool contributing to a stronger understanding of sustainability and climate resilience at the City.

Word Cloud 1: What is your vision for a sustainable and climate resilient Cockburn?

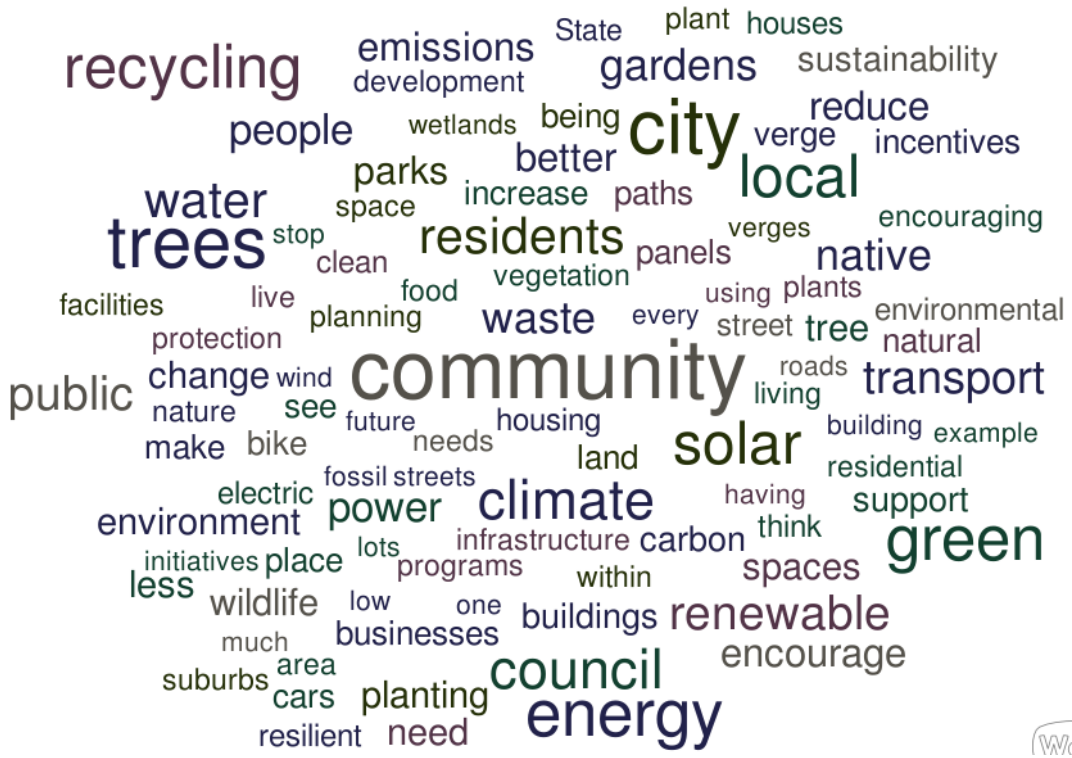


Table 1: Key Findings from Survey

Key Finding	What this means for the project
<p>Top words:</p> <ul style="list-style-type: none"> • 'Community' – 81 times • 'Trees' – 66 times • 'Energy' – 59 times • 'all' – 58 times • 'Green' – 55 times • 'Recycling' – 52 times • 'Solar' - 51 times • 'Local' – 50 times • 'Sustainable' – 45 times • 'Climate' – 45 times • 'Water' – 39 times 	<ul style="list-style-type: none"> • 'Community': This was the main response. Respondents are keen to be more involved and respond to our climate challenge as a community. • 'Trees: Respondents are keen to see preservation and replanting of trees across Cockburn. • 'Energy' – Respondents are keen to see more sustainable use of energy and initiatives to reduce greenhouse gases. • 'All – Doing it together. • 'Green' – Respondents are interested to see a greener future that includes everyone. • 'Recycling' – Better education and more initiatives for the community to get involved in recycling. • 'Solar' – rebates and more investment in solar technology. • 'Local' – engaging with our community to create more locally-based outcomes

	<ul style="list-style-type: none"> • 'Climate' – respondents are generally supportive of investing in climate resilience, however there is some confusion about education and facts. • 'Sustainable' – respondents overwhelmingly are positive and aspirational about creating a more sustainable environment. • 'Water' – respondents are generally concerned about water use and advocate for a more 'water wise' environment.
<p>Common Key phrases include:</p>	<p><i>"Greater tree canopy in Hamilton Hill, less grass in Manning Park and more trees please, renewable energy used and supported wherever possible".</i></p> <p><i>"More nature areas and grassed and treed areas for coolness... Grants to retroactively fit houses with energy efficient features of all kinds."</i></p> <p><i>"I would like to see more renewable energy in Cockburn"</i></p> <p><i>"Congrats to the Horticulture staff at CoC, great work. Please plant more native vegetation across our wonderful local environment."</i></p> <p><i>"Investment in local resident incentives for sustainable living."</i></p> <p><i>"To create benchmarks for Western Australian suburbs in this field. To be creatively and actively looking for ways to be kind to the environment and research what other countries are successfully achieving and to be petitioning to federal government for more positive changes."</i></p> <p><i>"An environment that sustains both the natural and human life within in's boundaries and co-operates in the wider community to promote the well-being of the residents now and into the future."</i></p> <p><i>"Managing natural resources, harness the use of renewable energy and building efficient, low-carbon suburbs. Enforce effective waste management and low-carbon, energy-efficient transport."</i></p>

	<p><i>"I would like to see a place where we live in balance and with an awareness of how we impact our environment. Where the community is encouraged to be more aware, offered information and encouraged to make sound choices that are able to be sustained."</i></p>
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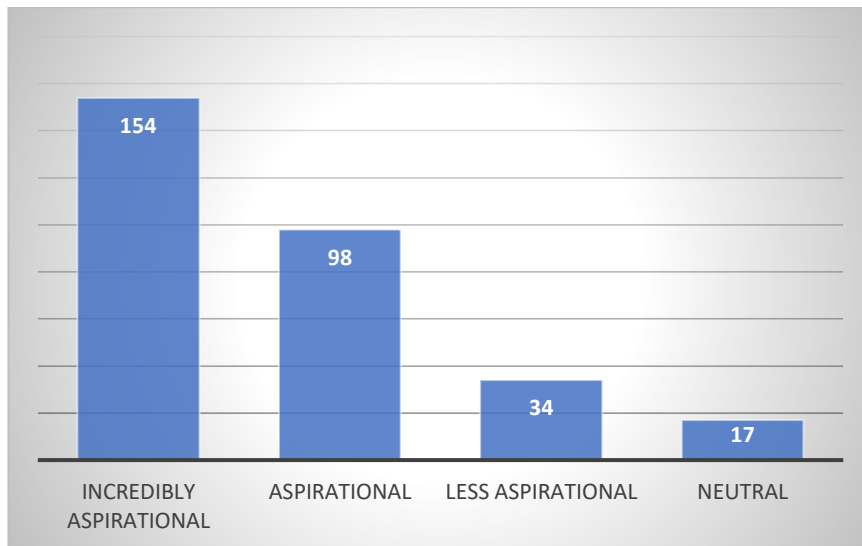
Graph 1: Community level of support for reducing Council's Greenhouse Gas Emissions

Response	Operations Response	Transport Response	Local Business Response	Residents Response	Industry response
No, Cockburn should not focus on this,	4.58%	9.15%	9.90%	11.44%	9.15%
Not bothered,	3.92%	2.61%	1.65%	2.29%	1.96%
Possibly, but only if it doesn't come at a cost,	20.92%	21.24%	28.38%	27.12%	15.69%
Yes definitely, this should be a priority,	70.59%	66.99%	60.07%	59.15%	73.20%

Key Findings:

- On average, Approx 66% of respondents indicated 'Yes definitely, this should be a priority' across all emitters.
- On average, only 8.84% of respondents indicated 'No, Cockburn should not focus on this' across all emitters.
- The survey clearly demonstrates support for reducing greenhouse gas emissions as a priority across all emitters.

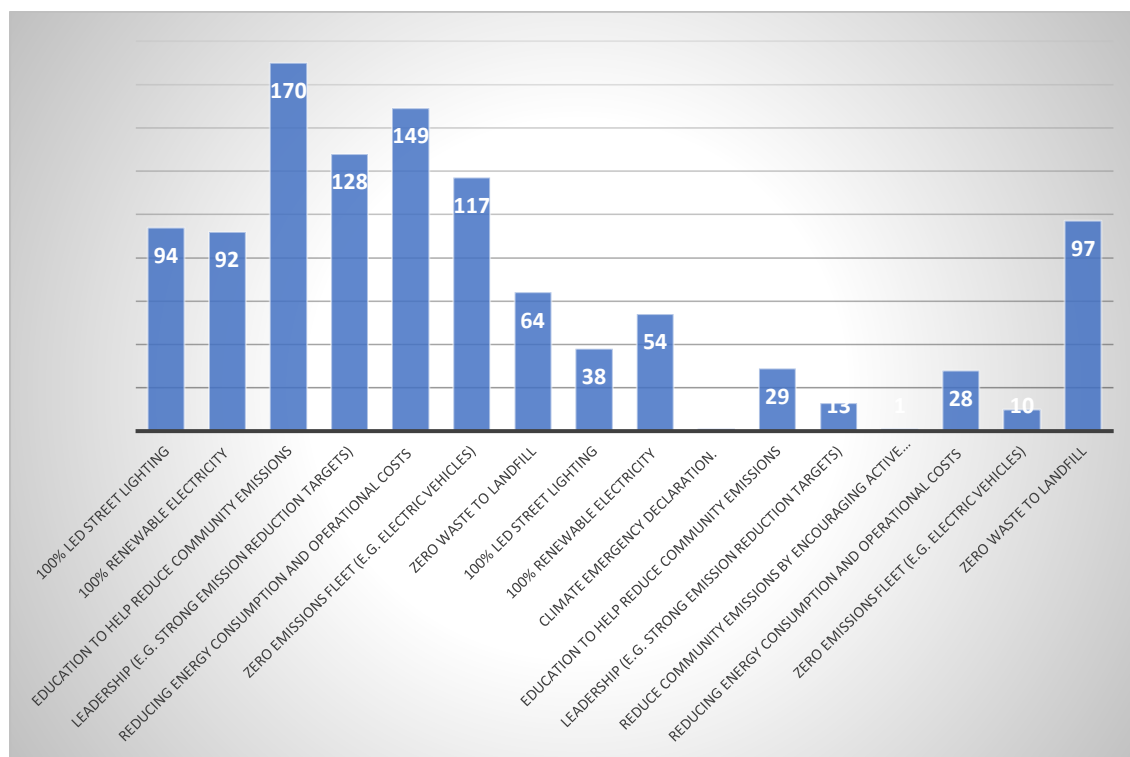
Graph 2: Community aspirations for the City to demonstrate leadership for creating a sustainable and resilient future



Key Findings:

- The community respondents have voted in favour of an 'incredibly aspirational' approach to 'aspirational' approach to creating a sustainable and climate resilient future.
- The City should aim to be best practice leaders in Western Australia and National leaders where possible.

Graph 3: Rating the importance of focus areas to reduce carbon emissions



Key Findings:

- 'Education to help reduce community emissions' is the most popular response with 170 counts.
- 'Reducing energy consumption and operational costs' is the second most popular response with 149 counts.
- 'Leadership (i.e. strong emission reduction targets)' is the third most popular response with 128 counts.

Table 2: How would you rate the importance of the adaptation and resilience objectives listed below?

Rate the Importance	Inform the community to help them adapt to impacts of a changing climate	Reduce the heat island effect by planting more street trees	Protect infrastructure (e.g. drainage and roads) against severe storms heat and flooding	Increase community resilience to the health impacts of a changing climate	Increase community resilience to heatwaves	Environmental conservation to maintain biodiversity	Water reduction in Council facilities	Water management to maintain key parklands and streetscapes	Emergency management planning to prepare for climate change impacts	Bushfire management planning to limit adverse effects on the community	Managed coastal retreat (a staged approach to moving foreshore areas and infrastructure further inland to adapt to sea level rise and associated erosion)	Protecting the coastline against sea level rise and erosion
Not at all important	2	9	16	48	46	15	19	6	40	11	42	27
Somewhat important	8	45	138	132	130	63	123	89	115	91	131	95
Unsure	3	0	4	15	18	3	7	2	8	3	12	5
Very important	289	251	147	107	109	221	156	207	137	195	117	178

Key Findings:

- 'Inform the community to help them adapt to impacts of a changing climate' was rated the most important adaptation and resilience objective.
- 'Reducing the heat island effect by planting more street trees', 'water management to maintain key parklands and streetscapes' and 'bushfire management planning to limit adverse effects on the community' were the next most important adaptation and resilience objectives.
- 'Increase community resilience to the health impacts of a changing climate', 'increase community resilience to heatwaves' and 'managed coastal retreat' were the least important rated adaptation and resilience objectives.

Table 3: Do you support the following greenhouse gas emission reduction targets?

	100% renewable energy for Council operations by 2030	Net zero Council emissions (Carbon Neutral) by 2030	Net zero community emissions (Carbon Neutral) by 2050
I don't mind	34	37	31
No	43	42	56
Yes	224	219	210

Key Findings:

- The community respondents are in favour of aspirational greenhouse gas emission reduction targets.

Table 4: Are you aware of any current sustainability initiatives in Cockburn?

No	135	44.12%
Yes	171	55.88%

Key Findings:

- 44% of respondents are not aware of any current sustainability initiatives in Cockburn.
- It is recommended that the City better communicated current and future sustainability initiatives to the wider community.

Table 5: Which initiative/s are you proud of and would like to see continue?

Current Initiatives	Count of Which initiative/s are you proud of and would like to see continue?	Count of Which initiative/s are you proud of and would like to see continue?2
Green waste verge collections	144	7.02%
3 bin household waste system	142	6.72%
bird bath	132	6.67%
native plants	132	6.67%
waterwise verge	132	6.67%
Rebates and subsidies	132	6.47%
Rooftop solar on council buildings	131	5.05%
Bushland management	126	6.11%
Sustainable living workshops and events	120	4.90%
Environmental education program	106	5.31%

Current Initiatives	Count of Which initiative/s are you proud of and would like to see continue?	Count of Which initiative/s are you proud of and would like to see continue?2
Electric vehicle charging stations	102	4.50%
Carbon offsets	101	5.10%
Free home energy water audits	101	5.10%
Grant programs	96	4.75%
Electric staff vehicle fleet	95	4.80%
Zero emissions fleet	95	4.50%
Coastal adaptation program	92	4.60%
Grand Total	1979	100.00%

Key Findings:

- 17 initiatives were highlighted by respondents, which the community are proud of and would like to see continue.
- The most popular initiatives to continue include 'green waste verge collections', '3 bin household waste system', 'bird bath', 'native plants', 'waterwise verge' and rebates and subsidies.
- The most popular initiatives are all programs, which are accessible to residents and improve the sustainable outcomes of households.

Table 6: General themes for proposed new initiatives

#	Theme
1	Recycling
	<ul style="list-style-type: none"> • Extensive reuse/recycling of wastewater to irrigate all parks and gardens using Woodman Pt wastewater to help achieve zero ocean discharge. • Facilitating recycling projects (fogo, education, etc) • Reduction in waste going to Landfill • More bins / collection facilities for batteries, aerosols and other dangerous goods • Provide more compost bins for residents • Trial new initiatives: Community-led repurpose, reuse and recycling station in the new Treeby community centre, repair café, multiple terracycle collection boxes, lending library, etc.
2	Reduce Emissions / Alternative Power
	<ul style="list-style-type: none"> • Removing power poles and convert to underground power • Reduce industry emissions • Assist businesses become more sustainable • Honeycomb solar electric community grids • Green waste collection switched to onsite mulching • Making residents and households more accountable for waste • Stronger environmental enforcement of building approvals and advocating for tougher regulation. Enforce renewable materials and sustainable housing • Net zero community emissions (carbon neutral) by 2030 • Trial alternative energy technology • Repair cafes and other pop-up services to encourage reuse • 100% renewable electricity

	<ul style="list-style-type: none"> • Reduce traffic movements to reduce emissions • Improving masterplanning processes and planning policies to reduce heat island impact • Solar panels, water tanks for residents. Less passive grass spaces in parks • Free solar panels for schools • Facilitating and supporting community leaders in reducing carbon emissions
3	Offer Rebates
	<ul style="list-style-type: none"> • Home battery storage systems • Encourage solar panels, water/waste reduction and electrical and vehicle uptake for businesses and residents • Making businesses financially responsible for waste • Electric bikes for workers and schools • 'Green' grants for builders to construct and retrofit more sustainable housing • Electric vehicle owners / drivers • Renewable energies • Cloth nappies • Community energy funds for community groups to install renewables • Free garden startup kits • Native plants
4	Education
	<ul style="list-style-type: none"> • Making it easier to achieve zero waste lifestyles • Better engagement with schools and community groups – organise trash and litter clean-ups and recognise Green Heroes • More education for households • Small discount on rates to complete online sustainable education course • Less verge collections, more education • Communicate actual facts regards to climate change, coastal erosion, sea level rise, etc • Cat trapping in bushland areas – educate community to assist • Benefits of solar power • Bee education and subsidies • Road signage to warn of wildlife crossings
5	Tree Planting / Preservation
	<ul style="list-style-type: none"> • Protect biodiversity • More sustainable public landscapes with canopy coverages • Producing trees – fruits and vegetables • Street plantings to reduce heat island effect • Cockburn Community Wildlife Corridor • Native plant / tree policy • Advocate State and Federal government to save endangered natural habitats • Mandatory native verge plantings on commercial properties • Prevent demolition of existing healthy trees in new masterplanned communities • Stronger leadership to retain significant trees, bushland, vegetation
6	Walkable Active Transport
	<ul style="list-style-type: none"> • Bold action to promote public transport, not more roads to support cars • Incentives to use public transport and alternative active transport options • More dedicated bike paths and cycle connections • More pedestrian footpaths

Table 7: Ideas to support local businesses prosper in a world transitioning to a low emissions economy

#	Theme
1	Rebates / Incentives
	<ul style="list-style-type: none"> • Incentives for commercial landlords to provide solar panels, LED lighting, banning single use plastic, water energy, rain water collection, etc. I.e. Powerledger • Reducing council rates and charges to provide more opportunities to invest in the environment • Encourage solar and wind energy generation • Rewards for being environmentally responsible • Advocate for carbon credits • Promote businesses that are making positive sustainable choices • Assisting to complete sustainable grant applications • Special logo / certification for sustainable businesses – possibly a reduction in rates • Encourage alternative education • Incentives at planning stage of commercial projects to promote sustainability
2	Educate, Innovate & Communicate
	<ul style="list-style-type: none"> • Promote 'living local' so people support local businesses • Sustainable business management • Work together – use our businesses to support each other and encourage to make sustainable choices • Education and financial advice to support sustainability • Green waste management • Energy audits • Promote energy storage • Practical cost saving options, which does not cost a lot of money • Mentoring, grants demonstration 'what's in it for me' • Engagement and awareness support • Access to training and facilities • Inspire local businesses to innovate with sustainable technology i.e. competition • Help identify opportunities and resources with supply chains and materials • Identify circular economies between businesses • Composting for hospitality businesses

Additional Comments:

- Sustainability is not a local government issue, concentrate on core services – water, waste, roads
- Stop developing foreshore areas
- State government issue
- Business require a reliable alternative power to coal, either natural gas or nuclear.
- Don't spend more ratepayers money on this
- Don't regulate businesses, it destroys investment and motivation
- No more food trucks from outside City
- Be a world leader in sustainability
- Solar smart roads
- Showing better support and education for staff to make better sustainable decisions.
- Join other neighbouring councils in carbon neutral activities
- Localised energy networks
- Encourage innovation such as 3D printing, robotic manufacturing, etc.

Table 8: Ideas to support residents and families reduce their energy use and build resilience

#	Theme
1	<p style="text-align: center;">Rebates / Incentives</p> <ul style="list-style-type: none"> • Incentives for solar power and vote for electrical power suppliers to be brought into WA • Reduce rates and promote residents to invest in sustainability • Sponsor solar batteries • Subsidise double windows scheme and other insulation measures • Relaxation of rules regarding greywater, tiny homes, alternative energy production, etc • Free energy audits • Incentives for rain water harvesting, native plantings, reducing waste, recycling, roof painting, retrofitting houses, LED lighting, etc • Smarter public landscapes and tree canopy coverage • Encourage local food production and community 'energy' hubs • Encourage transition to a plant based diet • Support programs such as living smart and assist low income residents with solar installations and energy saving mechanisms • Mandatory sustainable housing for new development
2	<p style="text-align: center;">Educate, Innovate & Communicate</p> <ul style="list-style-type: none"> • Education regarding sustainable building design and sustainable home builders • Household challenges / competitions • Demonstrate energy efficient products. Trade in old products • Workshops for educating residents • More programs, education and presence at events • Open houses, education at schools, etc • Battery, printer and ewaste stations should be at all schools • Community fun days to collect rubbish, etc • Smart meters and accessible data to track energy use and consumption • Energy Audits and education • On-going communications in local newspapers, social media, etc • Quick and easy tips for residents. Improved communications for how to use 3 bin system, etc • Testing new innovative ideas to engage and educate • Facilitate community connections i.e. farmers market • Reward households doing the right thing • Participatory frameworks and involve community in managing common resources • Encourage more residents to plant trees and consider a community 'street tree ambassador' • Support community urban farms • Promote renewable energy sources – i.e. hydroelectricity, wind farms, etc
3	<p style="text-align: center;">Stronger Sustainable Regulation</p> <ul style="list-style-type: none"> • Ensure all buildings are at least 6 stars NatHERS for design, construction and on-going maintenance • Audit all homes and provide incentives • Advocate for stronger building regulations to State and Federal government • Mandate energy efficiency for council buildings and households • Also remain sensible with future policies and regulation

Additional Comments

- Not a local government issue. Residents and families should be able to make their own decisions.
- The council should set the example and buy into sustainable energy sources and practises. Show the community how it can be done.
- The market should govern incentives and sustainable product pricing.

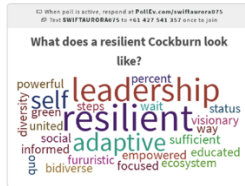
Table g: What is your wish for a better tomorrow?

#	Theme
1	Meeting the challenges for the next Generation
	<ul style="list-style-type: none"> • Living life sustainable, everyone, everywhere • People understanding sustainability, young and old • For my grandson to have a clean environment • Looking after our wildlife • Greener and cooler suburbs – reducing road widths, renewable energy, electric vehicles, community gardens, stormwater management and more sustainable public open space • Increased action against carbon emitters and general waste • Community resilience • Affordable clean energy • All of government takes the climate seriously • Low energy prices • Less pollution of the ocean • Community battery hubs • We belong to the land; the land does not belong to us. I wish that we could live like this • Investment in sustainable projects that people will benefit, feel comfortable and not cause financial hardship
2	Improved Well-Being
	<ul style="list-style-type: none"> • Better safety and well-being • A more respectful world • More bringing neighbours together • Less pollution, less stress, and people that look out for each other • Working together as a community • Not driven by politics • Real kindness and connection to land • Reduction in levels of inequality within our society • A community working and living together with our environment in balance
3	Financial Security
	<ul style="list-style-type: none"> • To be employed, healthy and financially secure. • More incentives so sustainability is affordable for everyone.
4	Traditional Council Values
	<ul style="list-style-type: none"> • Get back to being a real council • Less government initiatives to control peoples lives. Provide essential services, do them well, be polite and respectful • Listen to the people who live in Cockburn • Brighter street lighting to encourage more community activities

Feedback from the City of Cockburn Staff Workshop

The engagement included a virtual workshop targeted at City administration staff on Monday 6 April 2020.

Word Cloud 2: What does a better tomorrow look like in Cockburn?



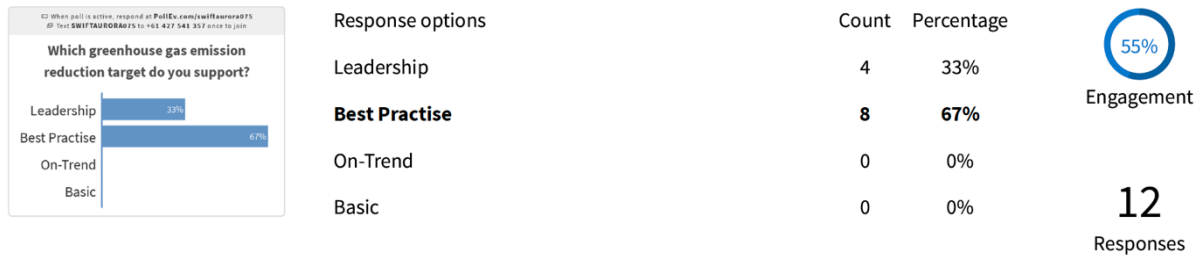
Responses

- social Visionary fururistic United ecosystem focused
- Informed Resilient Renewable Leadership Educated
- Diversity and bidiverse leadership empowering responsible
- Strong community connection Adaptive Taking powerful steps
- reliance Environmentally friendly interconnected carbon neutral
- Cooler resilient Self sufficient empowered Pivot Education
- healthy communication Adaptive resilient green
- Substainable Collaborative self sufficient thriving leadership
- empowered independent Biodiverse No status quo
- behaviour change Neutral wellbeing 100y percent renewable
- Adaptive prosperous Self sufficient good science communication
- Proactive Leading the way Responsive interconnected
- community empowered strong partnerships Future proof
- biodiverse
- Anticipate and and proactively deal with challenges, not just wait for them to happen
- Strong sustainable

Where should Council focus its efforts to reduce energy use and carbon emissions? Prioritise top 3

1. Leadership i.e. strong emission reduction targets
2. Zero waste to landfill
3. 100% renewable electricity

Graph 4: How aspirational should the approach be to creating a sustainable and climate resilient future?



What are your adaption and resilience objectives?

1. Environment conservation to maintain biodiversity
2. Inform the community to help them adapt to Climate Change impacts
3. Coastal retreat against sea level rise and erosion
4. Water management to maintain key parklands and streetscapes
5. Reduce the heat island effect by planting more street trees

Graph 5: Should the City of Cockburn focus its efforts on reducing community and industry efforts?

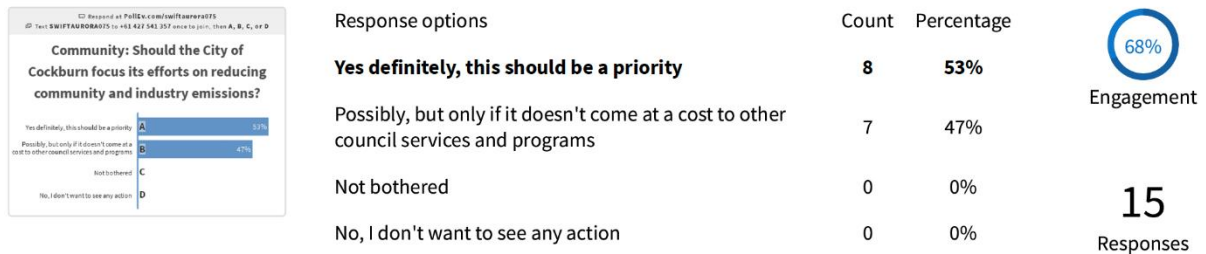


Table 10: Opportunities and Challenges for demonstrating Sustainable and Climate Resilience Leadership Discussion

Leadership by City of Cockburn
<p>Policy</p> <ul style="list-style-type: none"> • Create a target for the City to be a state leader. • Street Tree policy which outlines defined rules to be applied across the entire city. • Targets set and financial support to meet targets. Be strong leaders to action and drive change. • Providing a positive response and being positive about the future • Going beyond regulations - setting new benchmarks • Provide leadership and direction • Practical actions such as conserving water • Lack of policy direction is creating loopholes that residents and developers are able taking advantage of and avoiding taking real action. Also, a lack of enforcement of regulations. A committed and defined set of consequences for rules broken may act as a deterrent. • Executive management to implement or action policies or directions. • Policy - reviewing local planning policies • Create a unified departmental approach to climate change actions, between all state government departments.

- Trial options and new initiatives to understand what works best in Cockburn
- Set realistic targets which are achievable,
- Create deterrents to people doing the wrong thing.
- Policy & State Government advocacy
- Improving our Regional partnerships - Cockburn Sound Coastal Alliance
- Legislation needs to be updated to meet current demands and needs
- Advocate for change to address some of those issues. Urban built form has a huge impact on the fossil fuels extraction.

Funding

- Allocating adequate funding and resources
- Balancing and prioritising budget. Trade-offs for a more sustainable environment. Understanding where the community believes the balance should be too. i.e. participatory budgets to discuss climate initiatives.

Team Work

- Empowering and educating staff
- Demonstrating strong leadership – walking the talk
- Bring community along with us and help them undertake action at home
- Show community how they can be involved
- Community behaviour change, science communication and strong communication through education. Be inclusive about who we consult with on this top including CALD communities.
- Unified approach across each departmental with a dedicated officer to facilitate and monitor actions.
- Councillors can be a challenge to communicate climate change. We need more education for councillors.
- Educate technical officers at the City with regard to the climate change actions. Often the City staff are not informed.
- Important to have diversity of engagement. Understand everyone's perspective, including minority groups. i.e. Disability reference group, children's reference group.
- Consistent leadership and communications
- Making the environment a real priority
- Identify behaviour change and tools which will enable these changes to occur.

Operations

- We operate a landfill which is 60% of emissions. Landfill is a big challenge.
- Loss of biodiversity due to greenfield development - Our staff do not have the tools or regulatory power to inform planning issues. Policy does not address biodiversity.
- Large vehicle fleet - how can we offset? - improvements in policy - where does the organization see itself? - what we buy - the life cycle cost of fleet - how do we be leaders in this area. Too many uses.
- Dedicate a staff member to drive and monitor actions and impact on climate change.
- Appoint an urban change officer.
- Reinstate the climate change officer position and have that team really driving the message that we are leaders in this area.
- The city needs to work more strongly with our building sector.

- Drive better community outcomes in relation to the built environment. How we design and source products.
- Street lighting - the cost of street lighting is a huge impact on the City. Needs to be a real change of direction. Needs to be addressed by State Government also. Need to collaborate. Needs to be more sustainable. Particularly as we grow our night-time sporting activities.

Challenges

Coast and Water

- Coastal vulnerability
- Water availability is going to be a restraint moving forward.
- Limited amount of ground water for public open space and street trees. Scheme water system is going to be restrained by growth.
- Loss of water also impacting on our wetlands also.

Trees and Vegetation

- Lack of street trees impacting public spaces.
- Walkability - urban heat - urban forest strategy - particular in greenfield developments.
- The prevalence of bushfires - what learnings can we take from other regions and how can we apply them here? How do we best manage the bushfires going forward?

Other

- The impact of cultural and ecotourism sectors. Unique culture and environment. How can we better protect and then better capitalise? This is a missing link. Tend to look at issues in isolation.
- Cultural and environmental uniqueness of Cockburn is something that could be very much capitalised from an economic perspective.

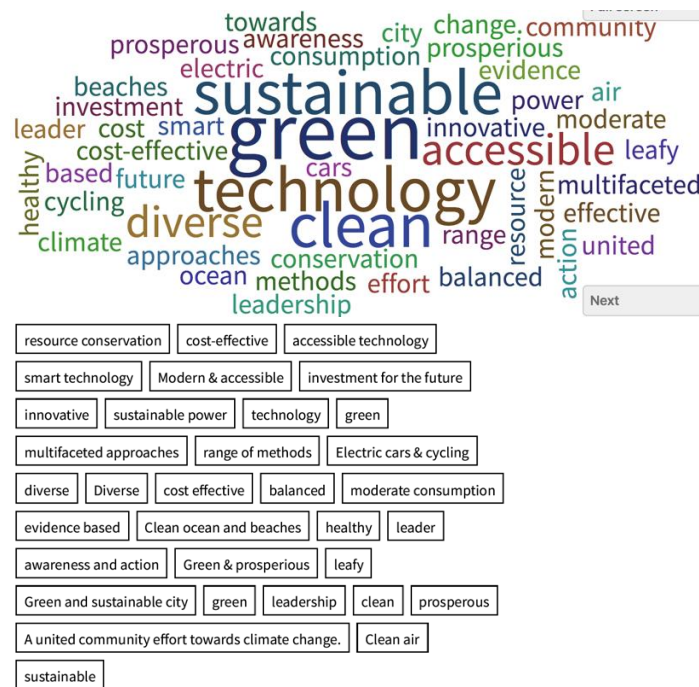
Other Opportunities

- Always the first thing we discuss. All levels of the organization. More visible.
- Take some risks and INNOVATE.
- Using more recycled materials in infrastructure projects (i.e. roads and asphalt)
- Hamilton Hill High School redevelopment is recycling materials wherever possible. A good demonstration project
- Sustainability grants
- Park furniture

Feedback from the City of Cockburn Disability Reference Group Workshop

The engagement included a virtual workshop with the City's Disability Reference Group (DRG) on Monday 4 May 2020.

Word Cloud 3: What does a better tomorrow look like in Cockburn?



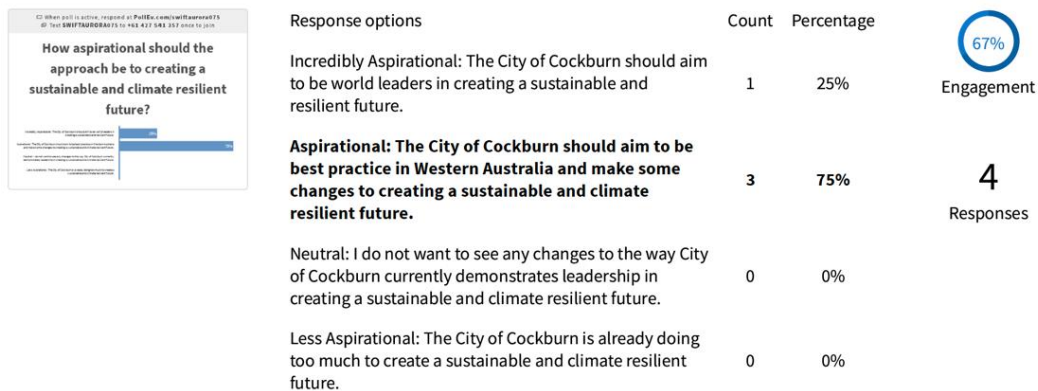
Word Cloud 4: What should sustainability leadership look like at the City of Cockburn?



Where should Council focus its efforts to reduce energy use and carbon emissions? Prioritise top 3

1. Leadership i.e. strong emission targets
2. Reducing energy consumption and operational costs
2. 100% LED street lighting

Graph 6: How aspirational should the approach be to creating a sustainable and climate resilient future?



Aspirations Summary:

- There is a danger in being too aspirational. Need to remain clear and focused.
- Actions need to remain practical and able to be implemented

Table 11: Opportunities and Challenges for demonstrating Sustainable and Climate Resilience Leadership Discussion

General Comments
<ul style="list-style-type: none"> • How much of climate change efforts have discussed real project life financial costs of initiatives / implementation? • Let's make sure the projects we are implementing are creating the intended climate change impact and not just causing more energy consumption in another field. Think about the direct and indirect costs. • I would like to know more about the choices we make regarding logical household and industry consumption • I value the trees and wildlife in Cockburn and protection of the environment. • We need to do a better job of considering the environment when implementing new infrastructure, greenfield suburbs, etc. • How does individual household consumption impact collective action? • This is still a new topic for me. I'm still learning and want to know more. I'm interested in household consumption. Are our efforts really making a difference? • I would like to see more tree planting – if it make a positive difference • More sustainability education • What is industry and business contribution? • I would like to see a move to electric cars • I appreciate the natural environment.

Challenges	Challenges for People with a Disability
<ul style="list-style-type: none"> • Expense – Cost • Communications – messaging – need a strong and clear direction • How we frame our approach – what is our approach? Sustainability? It's seems a bit unclear – need a strong purpose • What's 'our' contribution vs natural change • Creating a clean society – drop the debates, we all want a clean environment – moving forward • Knowledge and Education • Household renewable and consumption – providing pathways for residents <ul style="list-style-type: none"> ○ How to deal with waste ○ These are the true catalysts for behavioural change ○ Where do we start in our households? • Lack of awareness of accurate and objective data – help us determine factual knowledge and cost of suggested solutions • Being aware of direct and indirect costs • We need a strong focus and priority towards climate change and meeting agendas • What is our problem? What is our purpose • Moving past the 'blame game' • There seems to be 'other' forces not in line with sustainability – i.e. development, infrastructure, etc – need to remain forward thinking • All industries need to be 'at the table' and buy-in 	<ul style="list-style-type: none"> • Affordability of action – a lot of new technologies can be too expensive – disability pension can be difficult to undertake economic decisions • Subsidies of programs can help overcome these challenges • Accessible information for people with disabilities – empower community to support sustainability • Reliable information, research – better communications • Be mindful not to unintentionally disadvantage people with disabilities – i.e. new technologies and infrastructure • Inclusion – everyone is included in the sustainability agenda – not leaving anyone behind in decision making • NDIS providers / plans could be improved to help with independence, waste and better education • Resources for NDIS to include in efforts and strategies • Included for support workers – daily shopping – people more aware will help make better choices in the way we shop

Feedback from the City of Cockburn Children Reference Group Workshop

The engagement included a virtual workshop with the City's Children Reference Group (DRG) on Monday 4 May 2020.

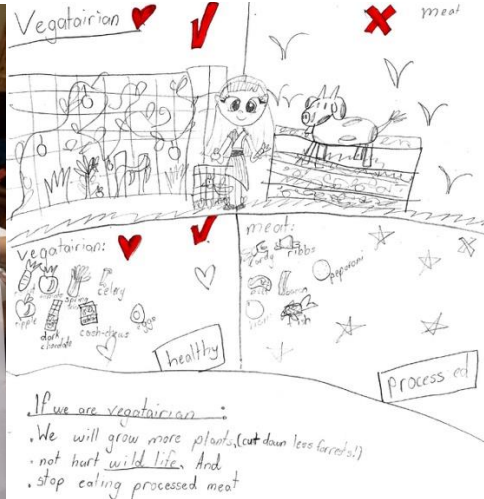
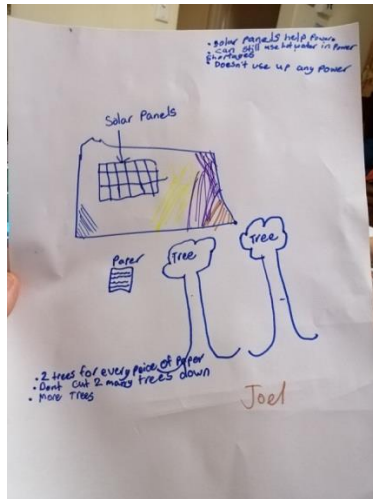
What are you already doing and learning about to protect the environment?

- Recycling
- No Smoking or littering
- Compost – use to make fertiliser in the garden and helps grow veggies
- Wind Farm – need more wind farms
- Take shorter showers
- Being vegetarian – good because you grow more veggies – don't harm animals and eat processed meat
- Greywater – recycle our water and give to plants to make food
- Donate all our clothes and toys to op-shops



What should the future of our environment look like?

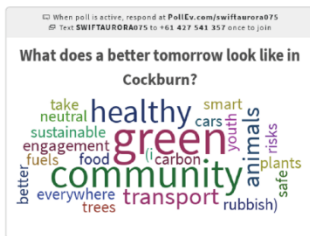
- Use verges to plant more veggies
- More solar panels and wind farms – help power during shortages
- Electric cars – less cars, more people
- Creating more water bins to collect and reuse water
- Using car parks for solar panels and bigger trees
- Planting a new tree every time an old tree is cut down
- More signage to recycle and not use plastic
- No plastic bags – more reusable bags
- Protect the environment with signs
- No littering
- Water tank
- Battery – power for 10 days
- Kids can grow and learn how to grow veggies at school – don't need to go to shops
- The most important thing to do now is to stop pollution. Stop emissions.
- No more toys with happy meals or with purchases.



Feedback from the City of Cockburn Youth Advisory Committee Workshop

The engagement included a virtual workshop with the City's Youth Advisory Committee on Monday 6 May 2020.

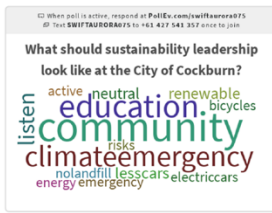
Word Cloud 5: What does a better tomorrow look like in Cockburn?



Responses

- animals transport food sustainable youth
- plants and animals everywhere community renewable healthy
- carbon neutral empowerment healthy green engagement
- community green green green fuels for cars (i.e. rubbish)
- community smart
- More connected. More healthy. More innovative. More trees. Better transport.
- community engagement take risks safe communicate green
- innovative

Word Cloud 6: What should sustainability leadership look like at the City of Cockburn?



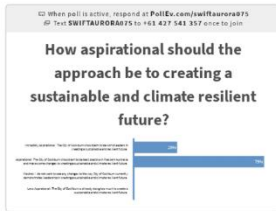
Responses



100%
Engagement

45
Responses

Graph 7: How aspirational should the approach be to creating a sustainable and climate resilient future?



Response options

Incredibly Aspirational: The City of Cockburn should aim to be world leaders in creating a sustainable and resilient future.

Count Percentage

1 25%

Aspirational: The City of Cockburn should aim to be best practice in Western Australia and make some changes to creating a sustainable and climate resilient future.

3 75%

Neutral: I do not want to see any changes to the way City of Cockburn currently demonstrates leadership in creating a sustainable and climate resilient future.

0 0%

Less Aspirational: The City of Cockburn is already doing too much to create a sustainable and climate resilient future.

0 0%

57%
Engagement

4
Responses

Table 12: Opportunities and Challenges for demonstrating Sustainable and Climate Resilience Leadership Discussion

General Comments	Opportunities
<ul style="list-style-type: none"> Investigate more innovative methods for communicating and engaging with young people – and more frequently I work at a restaurant and we through away a lot of excessive waste and single-use products – this disturbs me, because a lot of these products are so easy to change 	<ul style="list-style-type: none"> Better communication with young people Councillors really do listen and we enjoy them coming to our meetings More informal catch ups and young people-led events – Freedom of Speech Capturing education during middle school years – working with school in

<ul style="list-style-type: none"> ○ It's not something that costs a lot of money, it just requires a lot of community effort ● I feel it's my duty to help build a positive and resilient future and make a positive difference ● Water reduction initiatives should extend to the wider community ● Climate Change & Sustainability initiatives also creates more beautiful places 	<p>more hardcore ways – make it fun, awesome, and innovative</p> <ul style="list-style-type: none"> ● Create a program for young people that are not able to attend today's session – continuing the conversation ● I would like to know more about government, their role in creating positive change ● More surveys and on-going discussions about sustainability
<p>Challenges</p> <ul style="list-style-type: none"> ● Different stakeholders with different opinions – balance different aspects and competing priorities / issues ● Affordability ● Awareness – climate change deniers ● Education should ensure facts are communicated ● People need to understand the consequences of doing nothing ● How do we prevent catastrophes ● More information about volunteering, being positive and information about political parties environmentally aligned – on the agenda ● Finance and cost of everything ● This is an emergency and should be put forward in budgets ● Getting the whole community engaged ● A real resistance to take risks – to be innovative we need to take risks ● Councillors and council can learn from young people to take more risks – the community needs to allow the council to take the risks ● Precedent that council is all powerful and can't make mistakes – it's okay to make mistakes and it's so important – we (youth) need to know that it's okay to make mistakes 	<p>Challenges for Young People</p> <ul style="list-style-type: none"> ● There is a diverse range of young people – obstacles are sometimes there own situations – education issues, family issues, accessing needs ● Communities within communities with diverse needs – some communities environment is not a priority, because they don't have safe place to live, eat and study ● Young people don't get as much say as other people – engagement like this is great to have their say but not many young people are aware of these platforms – more promotion at school and social media ● Need to empower youth – we are very passionate – youth also most passionate about climate change – Imagine what we could do if we were empowered to do more and have a more positive impact on sustainability ● Need to say 'Yes, you are being listened to. You do have an active role in creating a sustainable future'. ● Reassurance they can engage in community events – planting trees, have more of a say in these conversations ● Young people dont necessarily know what local government can do and how young people can influence decision making

Where should Council focus its efforts to reduce energy use and carbon emissions?
Prioritise top 3

1. Zero waste to landfill
2. Education to help reduce community emissions
3. 100% renewable electricity
4. 100% LED street lighting

Which of the following adaptation and resilience objectives are most important to you?
Prioritise top 3

1. Manage coastal retreat
2. Protecting the coastline against sea level rise and erosion
3. Emergency management planning to limit adverse effects on the community
4. Water management to maintain key parklands and streetscapes
5. Water reduction in council facilities
6. Environmental conservation to maintain biodiversity
7. Increase community resilience to the health impacts of a changing climate

Note: 2-7 were all chosen equal amount of times.

Additional General Feedback

- Investigate more innovative methods for communicating and engaging with young people – and more frequently
- I work at a restaurant and we through away a lot of excessive waste and single-use products – this disturbs me, because a lot of these products are so easy to change
 - It's not something that costs a lot of money, it just requires a lot of community effort
- I feel it's my duty to help build a positive and resilient future and make a positive difference
- Water reduction initiatives should extend to the wider community
- Climate Change & Sustainability initiatives also creates more beautiful places

Feedback from the City of Cockburn Business & Industry Stakeholder Workshop

The engagement included a virtual workshop targeted at business and industry stakeholders on Wednesday 20 May 2020.

Word Cloud 8: What does a better tomorrow look like in Cockburn?



Word Cloud 9: What should sustainability leadership look like at the City of Cockburn?



Graph 8: How aspirational should the approach be to creating a sustainable and climate resilient future?

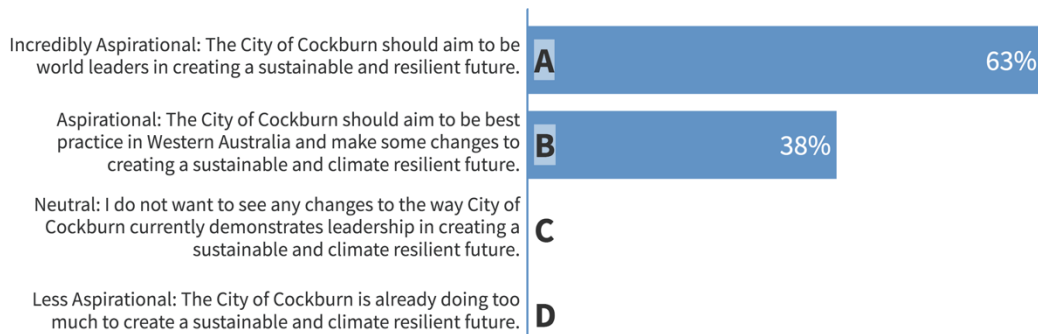


Table 13: Opportunities and Challenges for demonstrating Sustainable and Climate Resilience Leadership Discussion

<p>General Comments</p> <ul style="list-style-type: none"> • if we continue looking at cost as a barrier, we are stuck <ul style="list-style-type: none"> ○ For our business (organic collective), environmental sustainability is core ○ We take on the expense of experimenting with new practices and ideas ○ i.e. Running vehicles on recycled veg oil ○ We've always used recycled boxes for delivery – concerned about health during COVID • Partnered with trillion trees and offset material use • Quick wins to build confidence and momentum <ul style="list-style-type: none"> ○ Greening the city and planting more trees ○ Tips and fact sheets for residents and businesses • More LED street lighting 	
<p>Challenges</p> <p>Cost and Education</p> <ul style="list-style-type: none"> • Sustainability is not being followed through in construction industry • Builders are either unaware of sustainability products or they are too expensive to use • Also a perception that sustainability is going to be cost prohibitive • Businesses are often time poor, so education will need to be more carefully considered and innovative. • Sustainability currently feels too complicated. Nothing is going to happen unless people have something they can actually do. • City needs to break this down and make it more accessible. • Current workshops are only being attended by converted. Possibly consider incentives for attending workshops <p>Policy: Construction & Urban Planning</p> <ul style="list-style-type: none"> • Sustainability not a priority for new development 	<p>Opportunities</p> <p>Leadership Business Network</p> <ul style="list-style-type: none"> • Being more pro-active and empowered - Needs to be driven by business, shouldn't wait for someone to tell us what to do • Need to create a business network to support sustainability initiatives • A collective progressive effort • More investment in local sustainable networks such as 'Trillion Trees' • Important to communicate better with businesses – people don't know what they don't know • Need more informed decision making • Often people are interested but don't know what to do next • Council can take lead in workshops and information sessions • Sharing case studies via local paper, website. Celebrate successes. Big or small. <p>Education</p> <ul style="list-style-type: none"> • Stronger collective intention through education – helping people to develop

<ul style="list-style-type: none"> • Need more sustainable architects to inform development regulation before planning • State and Federal Leadership – stronger targets • Not very strong on current enforcement. If it doesn't meet sustainable criteria, it just shouldn't be approved. 	<p>a stronger intention – and allow solutions to be developed</p> <ul style="list-style-type: none"> • This will facilitate innovation • Sustainable house day / expo / open house – opportunities to learn and participate in existing events <p>Incentives</p> <ul style="list-style-type: none"> • Sustainable materials on building projects • Germany –Government incentives for insulation – saves on energy usage • Also provided huge boost to construction industry – education – innovative methods • In WA sustainable materials are more expensive because they are not widely used – once more projects start happening and more demand, it will become cheaper – double glazed windows is a great example • Council could create a list of more sustainable products <p>Communications and Branding</p> <ul style="list-style-type: none"> • Rebrand the Recycle Shop at the tip, make cooler and more accessible (remove stigma) • Allow a non-profit or social enterprise to collect, repair, repurpose and sell goods at the tip • Make the "Sustainability Shop" off-site (not at the tip - people don't want to go to the tip)
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In which areas should the City of Cockburn focus their attention to reduce carbon emissions?

1. Zero waste to landfill
2. Education to help reduce community emissions
3. 100% renewable electricity & 100% LED street lighting

Which is the following adaptation and resilience objectives are most important to you?

1. Reduce the heat island effect by planting more trees
2. Managed coastal retreat

Feedback from the City of Cockburn General Community Members Workshop

The engagement included a virtual workshop targeted at business and industry stakeholders on Saturday 23 May 2020.

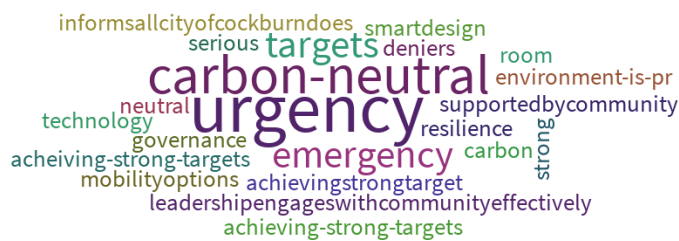
Word Cloud 10: What does a better tomorrow look like in Cockburn?



Responses

food security, community, dealing with climate stress and fear, more sense of emergency			
climatechangeresponsive	energy	communitysupport	Reduced-
climatechangeactive	sociallysafe	climatechangeresponsive	
resilient	Leafy	integratesustainability	
more trees, less cars, less grass, more green energy used by the council, more cycling			
enablingbuildingcodes	activecommunitiy	Clean air	
advocatefor110%sustainableenergy	communitysupport	resilient	
awarecommunity	resilient	mandatedcoolbuildingdesign	Leafy
climatechangeresilient	green	easeofmobility	
sustainability-informed	Leaders	integrated	Green
communitysupportive	innovative		

Word Cloud 11: What should sustainability leadership look like at the City of Cockburn?



Responses

urgency	supportedbycommunity	Resilience	Urgency
emergency	urgency	Targets	achievingstrongtarget
Carbon-neutral	carbon neutral, governance	carbon-neutral	
Environment-is-pr	acheiving-strong-targets		
urgency, emergency, no room for deniers, strong targets, serious			
carbon-neutral	Leadershipengageswithcommunityeffectively		
mobilityoptions	Smartdesign	InformsallCityofCockburndoes	
Achieving-strong-targets	Technology		

Graph 9: How aspirational should the approach be to creating a sustainable and climate resilient future?

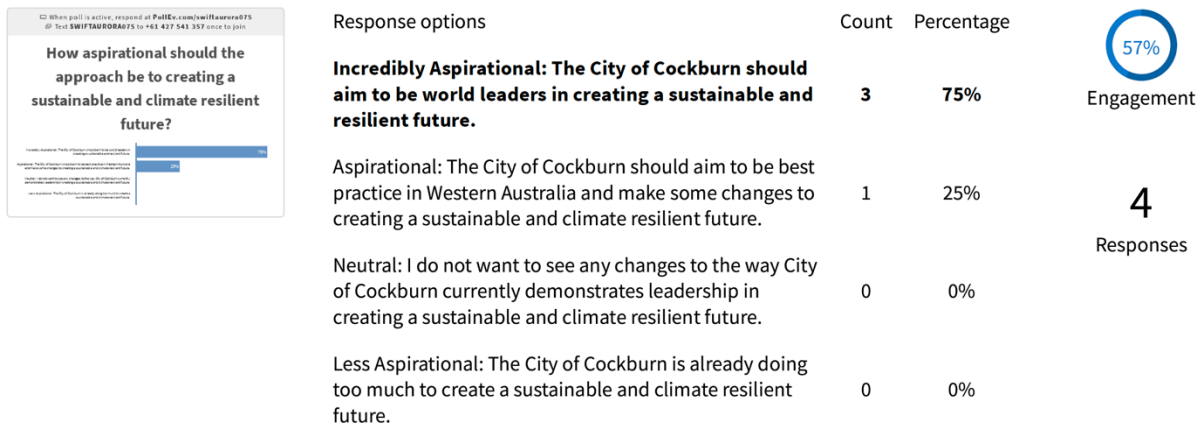


Table 14: Opportunities and Challenges for demonstrating Sustainable and Climate Resilience Leadership Discussion

<p>General Comments</p> <p>Community crowd funding and investment in battery and energy trading</p> <p>There is opportunities and trials in WA from Western Power and Synergy</p> <p>Need more community buy-in and support</p> <p>Need to advocate for policy and legislation changes to make this more accessible</p> <p>There are small changes and baby steps to get this started – move to LED street lighting</p> <p>Gaps in the Engagement Program and Questions</p> <p>There has not been a focus on social and economic wellbeing</p> <p>I would like to see support for community-based agriculture</p> <p>Focus on engagement has been to minimise impact and not about transitioning to future of agriculture and energy</p> <p>Too much grass and passive spaces – I want to see more trees</p>	
<p>General Challenges</p> <p>Leadership</p> <p>Policy & Urban Planning</p> <p>Communications and Branding</p> <ul style="list-style-type: none"> • Not enough accessible information on website • Need more community members engaged in the topic 	<p>Opportunities</p> <p>Walk the Talk</p> <ul style="list-style-type: none"> • if you don't live it yourself, it's tough to get others on-board – i.e. CEO's plastic challenge – City of Canning • Need to have all elected members on-board – strong leadership – I would like the city to declare a 'climate emergency' – scary term, however reflects we need to be taking action now – we should

<ul style="list-style-type: none"> • More engagement and information to attract further momentum • Some simple visuals regarding or video snapshot of engagement results • Messaging and communications is a barrier – community doesn't really understand what the City is doing • Need more local discussion with each community – use the resident groups to the City's advantage • Create more forums for people to get involved • I'm really proud of the work being completed by the City and I wish it was more visible 	<p>take climate as same urgency as COVID</p> <ul style="list-style-type: none"> ○ There is a lot of material for taking community along the journey – Climate Declaration • Stronger decision making <p>Community Empowerment</p> <ul style="list-style-type: none"> • A community advocacy group would be great – I would like to see a transition team in Cockburn • People are focused on their own agenda, and not focused enough as a collective • Possibly be a facilitator to support transition town – grants, help where necessary, etc
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In which areas should the City of Cockburn focus their efforts to reduce carbon emissions?

1. Zero Emissions fleet
2. 100% renewable electricity
3. Leadership

Which of the following adaptation and resilience objectives are most important to you?

1. Environmental conservation to maintain biodiversity
2. Protect infrastructure against severe storms, heat and flooding

City of Cockburn Aboriginal Reference Group

The engagement included the City's Aboriginal Reference Group (ARG). Whilst a workshop was unfortunately not able to be organised due to the COVID-19 crisis, phone conversations were facilitated by the City's engagement project team.

Table 15: Opportunities and Challenges for demonstrating Sustainable and Climate Resilience Leadership Discussion

General Comments	Opportunities
<ul style="list-style-type: none"> • Less car and single plastic use – more traditional living off land • More connection with country and being connected in the community • We want to protect nature, animals and beautiful landscape • Continuing our story for taking care of country – next generation to be the caretakers • A better culture and environment – diversity and looking after land • Creating more regenerative environments and learning from Aboriginal culture • Cockburn is leading the way with council-led initiatives and RAP.\ • Let's continue to build on the success of sustainable initiatives at Cockburn 	<p>Cultural Education & Innovation</p> <ul style="list-style-type: none"> • Not about reinventing the wheel, Aboriginal culture has so many useful resources for working sustainably with country. • More community training to care for country – there are plenty of Aboriginal programs to share with the City. Programs should tackle multiple demographics, young and old. • Existing cultural training programs need to be better enforced and leaders need to be held accountable for taking it seriously. • Learning should be about cultural education and taught using more immersive methods i.e. visiting cultural sites, bush medicine, controlled burns, etc. • RAP should be considered as part of the strategy • Aboriginals definitely deserve a stronger voice – we have strong views regarding sustainability and education – i.e. telling story of country, learning about native bush tucker foods – and people enjoy learning about it. <p>Sustainable Reference Group</p> <ul style="list-style-type: none"> • Create a reference group with educated community members, not just elected members • Create strong leadership that does not shy away from difficult questions and responses

Challenges	Challenges for Aboriginal People
<p>Community Leadership</p> <ul style="list-style-type: none"> • Need to create a greater sense of climate urgency – communicating that it's everybody's responsibility • Need to have more trust in our community to take ownership of actions – the City is often very hesitant and conservative • We are not always understanding a holistic perspective. We need to be more inviting and understanding of diverse perspectives, we all have a role to play. <p>Education</p> <ul style="list-style-type: none"> • Not enough education, especially with young people. We need to educate a better way of living. It's devastating what is happening in our environment. I.e. clearing of land, negative impacts on wellbeing, animals, loss of shade, etc. • Allow our young people to be more open to learning and getting involved. • Aboriginal language being used more often • We need to show data with the real impacts of our actions. <p>Communications</p> <ul style="list-style-type: none"> • More cleaning and planting days and better marketing of events • Let us know how to get more involved? How can we help? <p>Existing Leadership</p> <ul style="list-style-type: none"> • I don't always trust our leaders response • Not saying anything and not making decisions can also be wrong • Advocate for stronger state and federal leadership 	<ul style="list-style-type: none"> • I feel minority groups are not represented in decision-making. Sometimes our issues are dismissed by certain elected member leaders • Reference groups have diverse representation and can work together to create new innovative ideas • I don't feel the wider community are always informed and educated regarding aboriginal knowledge. We can help change the environment for the better, we have to work together, it's important for everyone's health • Systematic racism is still relevant in Cockburn. Some policies and procedures are not always inclusive and mindful of everyone. • Some staff have diluted our opinions, and have lost the meaning in some of our perspectives.

Feedback from the City of Cockburn Elected Members Workshop

The engagement included a virtual workshop targeted at elected members on Thursday 28 May 2020.

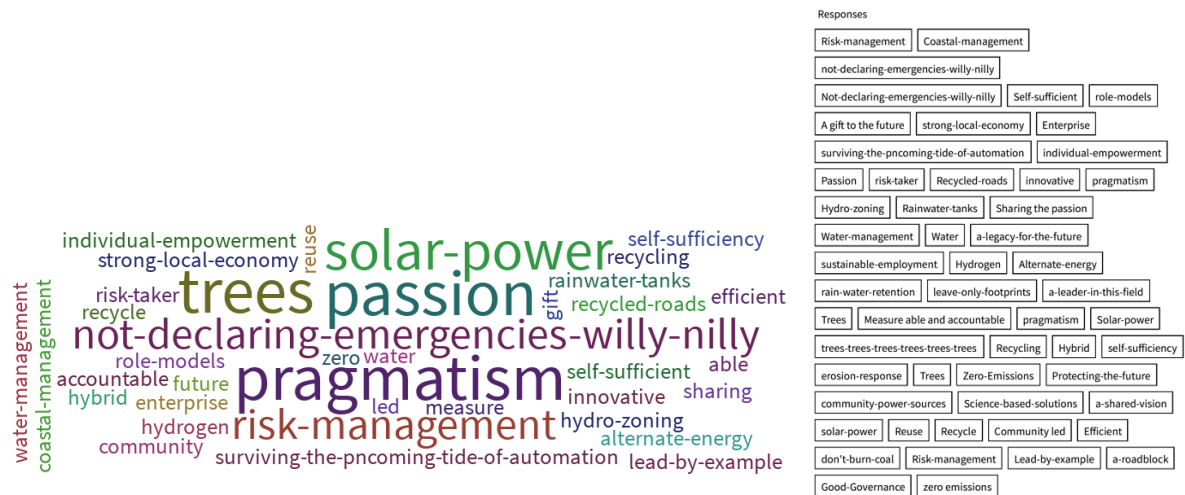
Word Cloud 12: What does a better tomorrow look like in Cockburn?



Responses

Education	Connected	understood	education	Green-spaces
breaking-the-status-quo	everyone-understands-what-this-means			
status-quo	Sustainable	healthy	Jewel in the crown	
Best-place-to-be	Safe	recovery-from-covid	local-economy	
Sustainable-Development	self-sufficiency	Engagement		
Environment	Strong-Leadership	Inclusive	Economy	Tourism
Community	Business	Efficient	exciting-tourism	Resilience
local-employment	Inclusive and dynamic	inclusive	Happiness	
business-as-super-priority	Governance	Community	Less-red-tape	
Sustainable	Development	love	Wellbeing	great tourism
Sunshine	diverse	Better	rain	solar
Sunshine	diverse	Better	rain	solar
Sunshine	diverse	Better	rain	solar
business super priority	Strong local economy	less bureaucracy		
Thriving local community	One that starts at midnight			

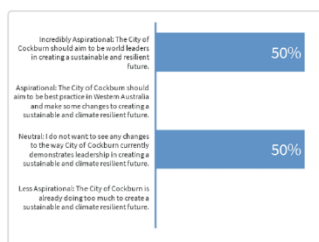
Word Cloud 13: What should sustainability leadership look like at the City of Cockburn?



Responses

Risk-management	Coastal-management
not-declaring-emergencies-willy-nilly	
Not-declaring-emergencies-willy-nilly	Self-sufficient
role-models	
A gift to the future	strong-local-economy
Enterprise	
surviving-the-pncoming-tide-of-automation	individual-empowerment
Passion	risk-taker
Recycled-roads	innovative
pragmatism	
Hydro-zoning	Rainwater-tanks
Sharing the passion	
Water-management	Water
a-legacy-for-the-future	
sustainable-employment	Hydrogen
Alternate-energy	
rain-water-retention	leave-only-footprints
a-leader-in-this-field	
Trees	Measure able and accountable
pragmatism	Solar-power
trees-trees-trees-trees-trees-trees	Recycling
Hybrid	self-sufficiency
erosion-response	Trees
Zero-Emissions	Protecting-the-future
community-power-sources	Science-based-solutions
a-shared-vision	
solar-power	Reuse
Recycle	Community led
Efficient	
don't-burn-coal	Risk-management
Lead-by-example	a-roadblock
Good-Governance	zero emissions

Graph 10: How aspirational should the approach be to creating a sustainable and climate resilient future?



Response options	Count	Percentage
Incredibly Aspirational: The City of Cockburn should aim to be world leaders in creating a sustainable and resilient future.	4	50%
Aspirational: The City of Cockburn should aim to be best practice in Western Australia and make some changes to creating a sustainable and climate resilient future.	0	0%
Neutral: I do not want to see any changes to the way City of Cockburn currently demonstrates leadership in creating a sustainable and climate resilient future.	4	50%
Less Aspirational: The City of Cockburn is already doing too much to create a sustainable and climate resilient future.	0	0%

In which areas should the City of Cockburn focus their efforts to reduce carbon emissions?

1. Zero Emissions Fleet
2. 100% Renewable Electricity
3. Leadership

Which of the following adaptation and resilience objectives are most important to you?

1. Environmental conservation to maintain biodiversity
2. Protect infrastructure against severe storms, heat and flooding

Table 16: Elected members reflected the following themes in the discussion section

#	Theme
1	<p>Communications and Engagement</p> <ul style="list-style-type: none"> • Defining "sustainability" and "climate resilience" is important to start the conversation, as councillors had different interpretations and meanings, sometimes at odds and unsure where the shared path was • Sharing knowledge and understanding throughout the community was a key aim that most councillors voiced, closing the knowledge gap <ol style="list-style-type: none"> 1. Sharing without 'looking down' on those who don't know or don't understand 2. Sharing knowledge from Subject Matter Experts 3. Reduce/remove emotion from dialogue 4. Invest appropriate resources to achieve grassroots movement and collective understanding • Community-led initiatives are viable • Speak to whole of community in communications – the people who might not 'get it' or have the resources (time, money) to easily participate in initiatives

2	Legislation and Infrastructure
	<ul style="list-style-type: none"> • Coordinated response across Local, State and Federal government to reduce wasted effort and spending • Reduction of Red Tape and EPA • Urban infill policies, tree requirements, public open space • Infrastructure for the future • Infrastructure that support native flora and fauna, wildlife, erosion
3	Cost Vs Impact
	<ul style="list-style-type: none"> • What is the best bang for buck? • Technology – when to utilise, viability vs cost • What are the upfront costs, and what do we have to stomach now for future benefits?
4	Resources
	<ul style="list-style-type: none"> • Don't need to reinvent the wheel • Look to UN Sustainability Goals, Local Gov NSW and other local councils for resources
5	Action Now and Later
	<ul style="list-style-type: none"> • Getting started is the hard part, taking the first step • Is the council the main blocker? • Start now, but have a vision for 15-20 years down the track

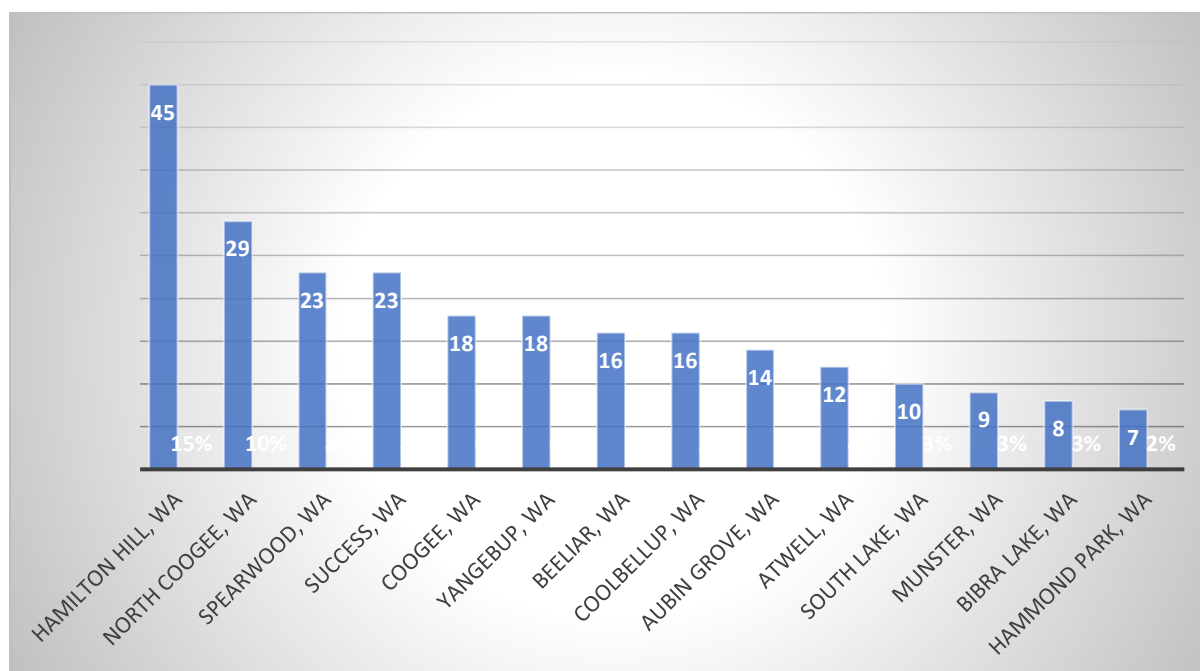
Additional Notes:

One councillor also noted that the sustainability work council staff have done to date is excellent, which resulted in a collective moment of pride and positive comments from councillors.

7. About the Community Survey Respondents

The following tables highlight demographics and spatial information regarding our survey respondents.

Graph 11: Suburbs of Survey Respondents



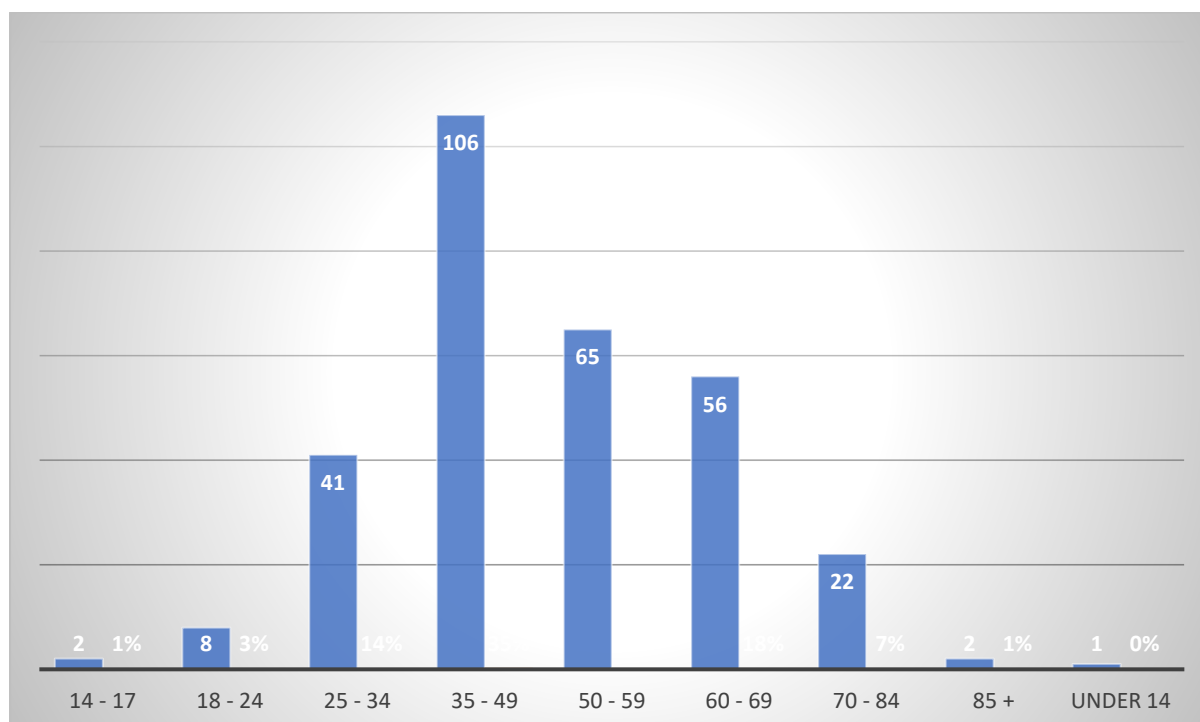
Key Findings:

- Hamilton Hill had the most survey respondents with 45 or 15% of the total respondents.
- 20 additional suburbs recorded 5 or less respondents (equal or less than 1%) including Cockburn Central, Jandakot, North Lake, Treeby, Banjup, Leeming, Beaconsfield, Wandi, Wattleup, Ashfield, Bertram, Bibra Lake, Booragoon, Fremantle, Henderson, Lake Coogee, Manning, Menora, Scarborough, White Gum Valley.

Table 17: Gender of Survey Respondents

GENDER		
Alternative identity	1	0%
Female	170	56%
Male	125	41%
Prefer not to say	6	2%
Grand Total	302	100%

Graph 12: Age of Survey Respondents



Key Findings:

- The most common age of survey respondents was 35-49 with 106 or 35% of respondents and 50-59 with 65 or 21% of respondents.
- Only 18% of respondents recorded an age under 35.

Table 18: Survey Respondents Relationship to Cockburn

RELATIONSHIP TO COCKBURN		
I live in Cockburn, I own property in Cockburn	115	39%
I live in Cockburn	105	35%
I own property in Cockburn	23	8%
I live in Cockburn, I own property in Cockburn, I work in Cockburn	18	6%
I live in Cockburn, I own property in Cockburn, I own/operate a business in Cockburn	16	5%
I work in Cockburn	13	4%
I live in Cockburn, I work in Cockburn	7	2%
Grand Total	297	100.00%

Key Findings:

- A majority of respondents (74%) are homeowners and/or live in Cockburn.
- 17% of respondents own/operate a business or work in Cockburn.

8. Email Submissions

9 email submissions were received during the open public comment period. Below is a summary of the key points.

Department of Water and Environmental Regulation (DWER):

- DWER is committed to working with all sectors of WA economy towards achieving net zero greenhouse gas emissions by 2050 and 28% by 2030.
- DWER is currently preparing the State Climate Policy, and will present a whole of government policy framework to address climate resilience and support the low carbon transition
- Department is committed to assisting the City to secure necessary water supplies, implement water use efficiencies, support further development, parks and recreational facilities.
- Department recommends seeking opportunity through the future Climate Change Strategy to achieve the following neighbourhood design outcomes inclusive of:
 - Trees and plant species within POS and street verges to maximise cooling;
 - Retention of native vegetation areas;
 - Hydro-zoning of parks to best optimise water resources
 - Opportunities to utilise alternative water sources in new developments;
 - Best use of drainage water for recharge and the environment;
 - Conversion of traditional drainage infrastructure to spaces or assets that achieve both water quality and amenity outcomes;
 - Combining urban cooling assets with drainage infrastructure e.g. street trees designed as tree pits to treat stormwater runoff.

Resident Comments:

- Engage in strong and well-established strategies to protect the environment, such as:
 - Planning guidelines for new development to stipulate green practises
 - Require vegetation for new development
 - Developers responsible for two years to maintain landscaping
 - Provide all residents with a new compostable green kitchen waste bin
 - Increase density coverage of ground cover plants
 - Increase tree planting by 50% of crown land
- Tree planting on all street verge in front of all houses
- Convert the fireworks show in Manning Park by a sustainable light show instead. Also, that the event take place further away from animal habitats
- Stronger protection legislation for large old tuart trees on private land. These trees are irreplaceable habitat for native spaces and provide significant cooling. A large amount of tree canopy has been lost already due to recent development.

9. Additional Engagement Regarding Climate Resilience and Sustainability

CY O'Connor Beach Coastal Erosion Management Engagement:

What we did: The City is developing an erosion mitigation strategy for the protection of C.Y. O'Connor Beach. Before embarking on a design (there are a number of ways this could be carried out), the City sought to understand the community's aspirations for the future of C.Y. O'Connor Beach and their perspective on the issue.

How: We engaged in a variety of ways, including pop-ups, on-site workshop, submissions (and survey). Attached is a snapshot of the results.

Why relevant to this project: This feedback is relevant to the objective of "Adapting to the effects of sea level rise."

Additional Engagement Summary Attached: CY O'Connor / Consultation results infographic.jpg

Foreshore Management Plan for Coogee Beach:

What we did: The City has a commitment to develop a Foreshore Management Plan for Coogee Beach foreshore. The Management Plan considers how we will manage the foreshore and adapt to risks in the long term. To do so, we wanted to know how the community use the beach, what they most value and how they would feel about the management of assets in terms of responding to the effects of a receding shoreline through a "managed retreat".

How: We engaged in a variety of ways, including on-site pop ups at the beach, face to face meetings, submissions and a survey.

Why relevant to this project: This feedback is relevant to the objective of "Managed coastal retreat in response to sea level rise"

The Foreshore Management Plan is currently under development.

Community Score Card:

What we did: The City carries out a community score card on different facets to see how well the community think we are doing. One of the questions asked this year was whether the community wants to the City to take more action on Climate Change.

How: This was undertaken by a market research company, who investigated how well we do in a variety of areas.

Why relevant to this project: This feedback is relevant as it indicates if climate leadership and action is supported by the community.

Additional Engagement Summary Attached: MarketScoreCard.PNG

10. Engagement Summary

The comprehensive community engagement process undertaken for this project, which included innovative online engagement, face to face meetings, emails, letters, workshops, phone interviews and a hard copy and online survey open to all residents. The engagement process was open for all ratepayers for a 28-day comment period between 1 May 2020 and 28 May 2020.

Over 2000 people visited the project page to learn more about the project and how they could get involved.

In total, 309 completed surveys and 9 email submissions were received, which is considered an good sample size for analysing the sentiment and needs of the City's population.

In addition to general information being sent to residents and businesses, the following specific groups were engaged;

- Youth Advisory Group
- Business and Industry Groups and organisations
- Children's Reference Group
- Aboriginal Reference Group
- Disabilities Reference Group
- Community and Stakeholder Groups
- City of Cockburn Staff
- Elected Members

The following is a key summary of the survey engagement results:

Community respondents have stated:

- Definitive support for reducing carbon emissions as a priority (for all emitters)
- An aspirational to incredibly aspirational approach for creating a more climate resilient and sustainable future in Cockburn
- The following top 5 areas to focus reducing carbon emissions:
 1. Education to help reduce community emissions
 2. Reducing energy consumption and operational costs
 3. Leadership (i.e. strong emission reduction targets)
 4. Zero emissions fleet
 5. Zero waste to landfill
- The most important adaptation and resilience objectives are:
 1. Inform the community to help them adapt to impacts of a changing climate
 2. Reducing the heat island effect by planting more trees
 3. Water management to maintain key parklands and streetscapes
 4. Bushfire management planning to limit adverse effects on the community
- In favour of all recommended greenhouse gas emission reduction targets
- Only 44% are aware of any current sustainability initiatives in Cockburn
- The most popular current initiatives to continue are:
 1. Green waste verge collections
 2. 3 bin household waste system
 3. Bird bath
 4. Native planting

5. Waterwise verge
 6. Rebates and subsidies
 7. Rooftop solar on council buildings
- The following topics proposed for new initiatives:
 - Recycling
 - Reduce emissions / alternative power
 - Offer rebates
 - Education
 - Tree planting / preservation
 - Active transport
 - The following topics to support local businesses proper in a world transitioning to a low emissions economy:
 - Rebates / incentives
 - Education, innovation and communication
 - The following topics to support residents and families reduce their energy use and build resilience:
 - Rebates / incentives
 - Education, innovation and communication
 - Stronger sustainable regulation
 - The following topics for a better tomorrow:
 - Meeting the challenges for the next generation
 - Improved social well-being
 - Financial security
 - Maintain traditional council values

The following is a key summary of the targeted workshop results with the aim of assisting the City demonstrate sustainable and climate resilient leadership:

Current Challenges include:

Environmental Vulnerabilities:

- Understanding the climate vulnerabilities i.e. coastal vulnerability, water availability, bushfires, etc
- Lack of street trees and native vegetation
- Maintaining the cultural and environmental uniqueness of Cockburn

Affordability

- Affordability for all community members to act in a sustainable manner
- Being mindful not to unintentionally disadvantage people with disabilities, at-risk people and minority groups

Lack of Accurate & Accessible Information

- Lack of awareness of accurate and objective data
- How to prevent further catastrophies?
- Available information regarding volunteering
- Getting the entire community engaged

Lack of Sustainable Leadership

- Conservative politicians and lack of sustainable leadership (mostly state and federal leadership)
- Our residents and businesses are often too time poor to attend workshops and engagement events
- Lack of policy enforcement
- Lack of definition

Cultural Engagement

- Lack of connection with country and current aboriginal programs
- Minority groups are not always considered in decision making

Future Opportunities include:

Engagement, Education and Empowerment

- Teamwork to better inform and empower council staff to demonstrate strong leadership
- Rebranding and marketing sustainability
- Community empowerment of sustainably focused organisations
- Cultural innovation, working in better partnership with aboriginal leaders and existing training programs
- Utilising existing resources such as UN Sustainability goals, etc

Strong and Resilient Leadership

- Strong policy to inform sustainable and climate resilient outcomes
- Funding and resources to implement important initiatives, as identified by the community
- Leadership Business Network
- Council should take a lead and 'walk the talk'
- Defining a clear and concise approach and interpretation to demonstrating climate resilience and sustainable leadership

Expanding Existing Resources

- Limiting waste into our landfill
- Subsidies and rates rebates
- Trialling new innovative initiatives with businesses and residents
- Creating more regenerative environments

11. Recommendations

Vision and Values Statement

The City of Cockburn is a leader in climate resilience and sustainability. Our community provides us with the strength and optimism to be aspirational in our approach to creating a better tomorrow for each and every one of us.

We are aware of our environmental impact. We are committed to taking pride in working together, celebrating our success and being resilient and adaptive to our changing climate. We aim to be a true caretaker of land in Cockburn.

The **core values** to include:

- **Working Together:** Leadership, education, creative engagement and strong communications will unite our community and lead us towards a healthy and resilient future.
- **Reducing all Greenhouse Gas Emissions:** A commitment to becoming a leader in reducing greenhouse gas emissions throughout the City, which is supported by our community.
- **Adapting to become an even more Resilient & Sustainable Cockburn:** Strengthening our existing initiatives and trialling new programs and incentives, which support our businesses, council operations and residents to better care for our land and adapt to a changing climate.

Key Recommendation #1: Leadership in action, we walk the talk

The City strengthens its position as a leader in becoming a carbon neutral city by 2030 and implementing sustainable initiatives that make a positive impact to our environment and well-being. This includes consideration and implementation across the City's operations, council buildings, and public land, including native bushlands. The City leads by example and works in partnership with businesses, construction and landscape industries and residents across the State. *We walk the talk.*

Recommended Deliverables:

- Setting strong targets and reducing carbon emissions as a priority (for all emitters). This includes reducing consumption and net zero carbon emissions for all council buildings and operations
- Reducing energy consumption and operational costs
- Zero emissions fleet
- Zero waste to landfill
- Teamwork to better inform and empower council staff to demonstrate strong leadership
- Implementing strong local policy to inform sustainable and climate resilient outcomes
- Advocating for strong state and federal leadership to inform sustainable and climate resilient outcomes
- Working with the planning, building and construction industries to be more aware of sustainable products and outcomes
- Incentives that assist business and industry adapt to a changing climate and reducing carbon emissions

Key Recommendation #2 Education & empowerment, we are all caretakers of our Land

The City continues to expand its educational programs and works with local aboriginal and community organisations to support local programs. Our aim is to work together to create a climate resilient and sustainable city for everyone. This includes a stronger understanding of aboriginal culture, a more involved presence at community events to promote local sustainable issues and stronger communications advocating the facts of our changing climate and what everyone can do to help create a better tomorrow.

The City also continues to work with minority and at-risk groups to ensure no one is left behind. Everyone has the ability to contribute and feel empowered to be a leader in caring for our land.

Recommended Deliverables:

- Education to help reduce community emissions and setting realistic targets.
- Strengthen existing programs, which educate the wider community (including young, old, disabled, etc) to increase recycling, reduce single-use plastic, native plantings, reducing water useage, community gardens, etc.
- Work with existing aboriginal leaders to increase immersive cultural programs that focus on caring for land such as bush tucker foods, caring for animals, controlled burns and understanding the long history of Cockburn (in accordance with the City's Reconciliation Action Plan)
- Engage and empower residents and community members adapt to the impacts of a changing climate
- Continue popular community-focused initiatives such as:
 - Green waste verge collections
 - 3 bin household waste system
 - Bird bath
 - Native planting
 - Waterwise verge
 - Rebates and subsidies
 - Tree planting
- Continue engaging with reference groups and be careful not to unintentionally disadvantage people with disabilities, at-risk people and minority groups

Key Recommendation #3: Adapt & Care, working towards an even more climate resilient and sustainable tomorrow

Develop a program of activities, which focus on the preservation and celebrate the uniqueness of the Cockburn natural environment. Understand the climate is changing and adaptive and responsible measures are required to continue caring for country, including native bushlands, coastal environments, streetscapes and local habitat. We aim to create a future tomorrow the next generation is proud of.

Recommended Deliverables:

- Continue best practise sustainable coastal management to protect our coast from further erosion
- Water management to maintain key parklands and streetscapes
- Bushfire management planning to limit adverse effects on the community
- Utilising existing resources such as UN Sustainability goals, etc
- Trialling new innovative initiatives with businesses and residents
- Creating more regenerative environments

- Investigate rebates and incentive, which promote sustainable development of new and existing households
- Working with the community to reduce the heat island effect by planting more street trees
- Initiatives that create regenerative outcomes for the environment and community

Key Recommendation #4: Define & Communicate

Creating a clear and concise definition of climate resilience and what it means to the City and its community.

Recommended Deliverables:

- Develop an Adaption and Climate Resilient Action Plan. Include a strong definition and direction for inspiring council staff and the community to understanding the meaning of 'climate resilience'
- Report back to the community with outcomes of the engagement program and a clear action framework, as mandated by the community
- Develop strong visuals and a climate resilient and sustainability communications plan aimed at communicating successful programs and encouraging community to get more involved
- Rebranding and marketing sustainability to create a more informed community