

His Worship the Mayor
Councillors
City of Marion

Notice of Infrastructure and Environment Committee

Council Chamber, Council Administration Centre
245 Sturt Road, Sturt

Tuesday, 9 July 2024 at 6.30 pm

The CEO hereby gives Notice pursuant to the provisions under Section 83 of the *Local Government Act 1999* that an Infrastructure and Environment Committee will be held.

A copy of the Agenda for this meeting is attached in accordance with Section 83 of the Act.

Meetings of the Council are open to the public and interested members of this community are welcome to attend. Access to the Council Chamber is via the main entrance to the Administration Centre on Sturt Road, Sturt.



Tony Harrison
Chief Executive Officer

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1 Open Meeting

2 Kurna Acknowledgement

We acknowledge the Kurna people, the traditional custodians of this land and pay our respects to their elders past and present.

3 Elected Member Declaration of Interest (if any)

4 Confirmation of Minutes

4.1 Confirmation of Minutes of the Environment Committee Meeting held on 11 June 2024

Report Reference	IEC24709R4.1
Originating Officer	Business Support Officer – Governance and Council Support – Cassidy Mitchell
Corporate Manager	Manager Office of the Chief Executive – Kate McKenzie
General Manager	Chief Executive Officer – Tony Harrison

RECOMMENDATION

That the minutes of the Environment Committee Meeting held on 6 June 2024 be taken as read and confirmed.

ATTACHMENTS

1. IE C 240611 - Final Minutes & Mentimeter Results [4.1.1 - 30 pages]



**Minutes of the Infrastructure and Environment Committee
held on Tuesday, 11 June 2024 at 6.30 pm
Council Chamber, Council Administration Centre
245 Sturt Road, Sturt**

**PRESENT**

His Worship the Mayor Kris Hanna
Councillor Sarah Luscombe (Chair)
Councillor Nathan Prior
Councillor Raelene Telfer (from 7:01 pm)
Councillor Luke Naismith
Councillor Jason Veliskou

Councillor Jayne Hoffmann
Councillor Renuka Lama (from 6:40 pm)
Councillor Jana Mates
Councillor Amar Singh
Councillor Ian Crossland

In Attendance

Chief Executive Officer - Tony Harrison
General Manager City Services - Ben Keen
General Manager Corporate Services - Angela Allison
A/Manager Engineering, Assets and Environment – Carl Lundborg
Executive Officer to the General Manager City Services - Colleen Madsen
Unit Manager Environmental Sustainability – Rebecca Neumann
Senior Environmental Planner – Anna Haygreen
Environmental Engagement Officer – Jess Mitchell
Environment Project Officer - Clarissa Baker

1 Open Meeting

The Chair opened the meeting at 6.31pm.

2 Kaurua Acknowledgement

We acknowledge the Kaurua people, the traditional custodians of this land and pay our respects to their elders past and present.

3 Elected Member Declaration of Interest (if any)

The Chair asked if any member wished to disclose an interest in relation to any item being considered at the meeting.

The following interests were disclosed:

- Nil interests were disclosed.



4 Confirmation of Minutes

4.1 Confirmation of Minutes of the Environment Committee Meeting held on 9 April 2024

Report Reference IEC240611R4.1

Moved Councillor Hoffman

Seconded Councillor Mates

That the minutes of the Environment Committee Meeting held on 9 April 2024 be taken as read and confirmed.

Carried Unanimously

5 Business Arising

5.1 Business Arising Statement - Action Items

Report Reference IEC240611R5.1

It was noted that the FOGO report, initially set for 9 July, requires further review by the ELT before being presented to the Infrastructure and Environment Committee. It is now scheduled for the 6 August meeting, with the Marion Water Update moved to July.

The mayor suggested that following his discussions with staff, a streetscape matrix report could be scheduled for either the September or October meeting.

The chair confirmed with the committee if the above changes were acceptable.

Moved Mayor Hanna

Seconded Councillor Naismith

That the Infrastructure and Environment Committee:

1. Notes the business arising statement, meeting schedule and upcoming items with the above changes.

Carried Unanimously

6 Confidential Items

7 Reports for Discussion

7.1 City of Marion Environmental Sustainability Plan

Report Reference IEC240611R7.1

The Unit Manager Environmental Sustainability introduced the item and presented to the Committee the proposed scope and approach to develop an Environmental Sustainability Plan 2025-2030, seeking feedback from the Committee.



The team has reviewed the current strategic plan and has clear directions around environmental sustainability from this plan, including vision and short-term goals. In the absence of an Environment Plan, all guidance has been taken from the Strategic Plan.

Staff sought to identify areas where the Committee believed additional focus was needed on the following topics:

- Biodiversity, trees, and greening
- Water
- Climate resilience and emissions reduction
- Waste management
- Sustainable living and engagement
- Governance and reporting

6:40 pm Councillor Lama entered the meeting.

Staff guided the Committee through a Mentimeter exercise to facilitate the discussion. The results are included as attachment 1 to these minutes.

During the presentation information from staff included:

- The Environmental Sustainability Plan will bridge the gap between the Strategic Plan and Operational Plans and sit below the Strategic Plan.
- Timeframe is 12 months.
- Initial community consultation is not planned due to the substantial feedback already received from consultations on the Strategic Plan and other Operational Plans
- Feedback will also be gathered from expert leaders i.e. Universities etc.
- Draft Plan to be presented at a subsequent Infrastructure and Environment Committee Meeting prior to General Council.

7.01 pm Councillor Telfer entered the meeting.

Discussion by the Committee included:

- Understanding the costs of these projects.
- Clarification on WSUD.
- The word pollution needs to be included in the heading Climate resilience and emissions reduction i.e. Climate resilience, pollution, and emissions reduction.
- Clarification on sustainable transport.
- Under Waste Management, the committee noted that SRWRA was omitted from the listings and needs to be included.
- Food waste diversion is taking the organic content out of buried landfill to a more recyclable option. The committee noted that SRWRA also manages separation of organic material from the general waste stream for use as landfill capping.



7:14 pm Cr Singh left the meeting.

- The committee queried whether Council has a policy on Circular Economy. Staff advised this is mentioned as a concept in our waste policy to promote development of supply chains and a local economy that avoids waste. City of Marion does not have a policy on Product Stewardship however we have advocated for producer responsibility.

7.17 Cr Singh re-entered the meeting.

- Staff clarified that food waste diversion encourages residents to recycle food waste instead of using the red bin. They suggested increasing resident knowledge and promoting composting through rebates.
- The committee discussed whether there is potential for 3 councils to invest in soft plastic recycling, acknowledging it would be a large and expensive project.
- The committee requested information on whether council should focus on food waste diversion or leave it to SRWRA. Management advised that it depends on the proposal, which would be reviewed based on the business case, which for weekly organics will come to an IEC meeting later this year for more detailed discussion.
- In relation to a committee query on budgets, management advised that there is a team of 8 in Environmental Sustainability, however this does not encompass the entire budget. The Plan spans across multiple teams and projects including the Tree AMP, Biodiversity Plan, Project Management, and supply chain. Providing an accurate budget figure is challenging as it overlaps with other areas. The Plan will help to identify everything and help determine what we should be doing and where to increase or decrease investment.

Action

The Committee would like to see figures on how much we spend on each environmental sustainability area included in the Draft Environmental Sustainability Plan that comes back to IEC later in 2024.

Question On notice – Cr Prior

The committee would like an estimate of the costs versus the returns on the solar cells installed around the council, which have been in place for approximately 8-9 years and have a payback period of 5 ½ years.

7:39 Cr Crossland left the meeting.

The committee noted that as Council is in the process of reviewing our strategic documents the front part of the Plan will need to be modified accordingly.

Moved Mayor Hanna

Seconded Councillor Hoffman

That the Infrastructure and Environment Committee:



1. Provides feedback in the meeting on the key focus areas for the City of Marion Environmental Sustainability Plan 2025-2030.

Carried Unanimously

7:41 Cr Crossland re-entered the meeting.

7.2 Carbon Inventory and Reporting

Report Reference IEC240611R7.2

The Senior Environmental Planner presented to the Committee an update on the endorsed City of Marion Carbon Neutral Plan implementation and emerging trends in climate reporting that may impact the plan.

An independent validation of council's carbon inventory has been completed and an implementation update was provided in the agenda.

7:46 pm Cr Lama left the meeting.

The Plan was endorsed in 2021 with a target of the City of Marion's operations becoming carbon neutral by 2030.

7:49 pm Cr Lama re-entered the meeting.

Discussion and questions from the Committee and staff included:

- Waste landfill data – over time we have acquired more accurate data through recent waste audits, leading to revised figures. While it appears waste and landfill rates have increased, this is due to improved data accuracy.

Question on Notice

Can the Committee have the data on how much our solar panels have reduced our emissions?

- The committee queried if it is feasible to switch from gas to electricity where practical. Staff advised that according to our Environmental Sustainability Design (ESD) Guidelines document, once current gas appliances reach end of life, we will not replace them with gas but with electric alternatives.
- Staff advised we pay around \$200K annually for certified green power. There is an opportunity for savings by investing in renewable energy through a Power Purchase Agreement (PPA). Staff have reviewed the current electricity contracts, and we are contractually obligated to pay for it at our main sites (roughly 80% of electricity). A further update will be presented to Council Members in relation to the power purchase agreement and costs of Green Power.
- Green Power Certification – we can buy and sell a green power mix. Other councils have adopted various approaches, including blends and power purchase agreements with wind



farms, depending on the scenario. If we buy green energy, we need to determine whether the cost included both the green energy and certification.

- Noted that we have fully utilised the solar capacity on all our significant buildings. At the last assessment, it was not cost efficient to put solar on council's smaller buildings. Council has applied for 50% grant funding for solar car parks at the Marion Outdoor Pool and City of Marion Administration Building as well as upgrades of sports lighting towers to LED.

Question on Notice

Can the Committee have in writing further information on the concept of council purchasing "Certified Green Power" and "Climate Active" / "Carbon Neutral" Certification.

The Committee and staff discussed emissions reporting in detail, including:

- Staff reported a higher emission figure, noting a 35% reduction in the new calculation method, compared to a 20% reduction previously.
- What other councils are doing, particularly Scope 3 emissions.
- Staff reported the only carbon neutral certified council in South Australia is City of Adelaide and they currently offset their scope 3 emissions.
- Concerns were raised about public perception if emissions appear to increase due to the inclusion of Scope 3 emissions.
- Staff suggested considering separate reporting for Scope 3 emissions while maintaining the original boundary/corporate KPI for carbon neutrality.
- The Committee noted the challenge of reporting success when measurement methods change, recommending the current reporting method be maintained with the consultant report used internally.
- The Committee discussed advocating for a sector-wide approach to Scope 3 emissions reporting.
- Staff advised that the LGA's Accelerate Net Zero project aims to develop sector-wide Scope 3 reporting and provide climate-related training for councils.
- A committee suggestion was to continue current reporting methods (excluding Scope 3), noting the importance of realistic goals, with a footnote explaining the exclusion of Scope 3.
- Discussion on competing priorities, such as developing community and sporting centres which have embodied Scope 3 emissions. Staff advised of the importance of including Scope 3 to understand the full carbon footprint, with a focus on supply chain management and the potential need for additional project costs.
- Staff emphasised the difficulty of delayed mandatory reporting and the need for early adaptation to prepare effectively.
- There was a general consensus by the Committee to continue current emissions reporting methods while keeping Scope 3 emissions separate for future consideration.
- Feasibility of Solar Farms was discussed. Staff mentioned that a Power Purchase Agreement could potentially lead to the development of large solar farms.
- The Committee noted that an internal audit on procurement revealed an opportunity to prioritise greener companies, which was overlooked.



- Discussed the issue of offsets, noting that Cleanaway pays for carbon credits. Suggest re-thinking our approach to offsets and identifying a policy to ensure their suitability and integrity when the Carbon Neutral Plan is brought back to Council.
- The Committee queried the governance regarding carbon inventory and reporting within existing resources, and queried the use of a consultant as being a council-endorsed plan should it be done by staff.
- Staff advised that the spend on the consultant was \$12K over 2 years and was within the teams' budget. For organisations of our scale, to comply with the Climate Active Framework requires independent verification.

Action

The committee suggested revising the Carbon Neutral Plan and bring it back to Council in the next 12 months for review.

8:39 pm Councillor Telfer left the meeting.

- Discussion on whether council can be both the seller and the consumer of community renewable energy. Staff advised that we would be detached contractually from ShineHub as they have the contract with the consumer.

Moved Mayor Hanna

Seconded Councillor Lama

That the Infrastructure and Environment Committee:

1. Notes the update on the carbon inventory and implementation of the Carbon Neutral Plan and provides feedback.

Carried Unanimously

7.3 Environment Communications and Engagement

Report Reference IEC240611R7.3

The Environmental Engagement Officer provided the Committee with a presentation (Attachment 1) summarising current engagement and communication activities and sought feedback to help shape future programs. Further information on activities including relevant links is in the presentation attachment.

9:16 pm Mayor Hanna left the meeting.

Discussion from the Committee included:

- The importance on seeing the impact Marion Living Smarties has on the city and engaging with them on how they have impacted the community i.e. closing the loop including advising their impact on policy.

Question on Notice

IEC240611 - Infrastructure and Environment Committee - 11 June 2024



9

The Committee would like some data on the sustainability rebate programs delivered by other councils.

- Looking at what other councils are doing in this space with successful initiatives i.e. low-income grant for insulation. We should assess these programs to identify specific needs for our community.
- The Committee noted that many of the multicultural communities are unaware of the various programs offered by the City of Marion. They suggested focusing on expanding our reach to our multicultural communities.
- The Committee recommended creating simplified information about carbon emissions for the community, removing the technical jargon to make it easier to understand.

9:22 pm Councillor Crossland left the meeting.

Moved Councillor Lama

Seconded Councillor Hoffman

That the Infrastructure and Environment Committee:

1. Notes the presentation on environmental engagement and communication initiatives (Attachment 1) and provides feedback in the meeting.

Carried Unanimously

8 Reports for Noting

9 Workshop / Presentation Items

10 Other Business

11 Meeting Closure

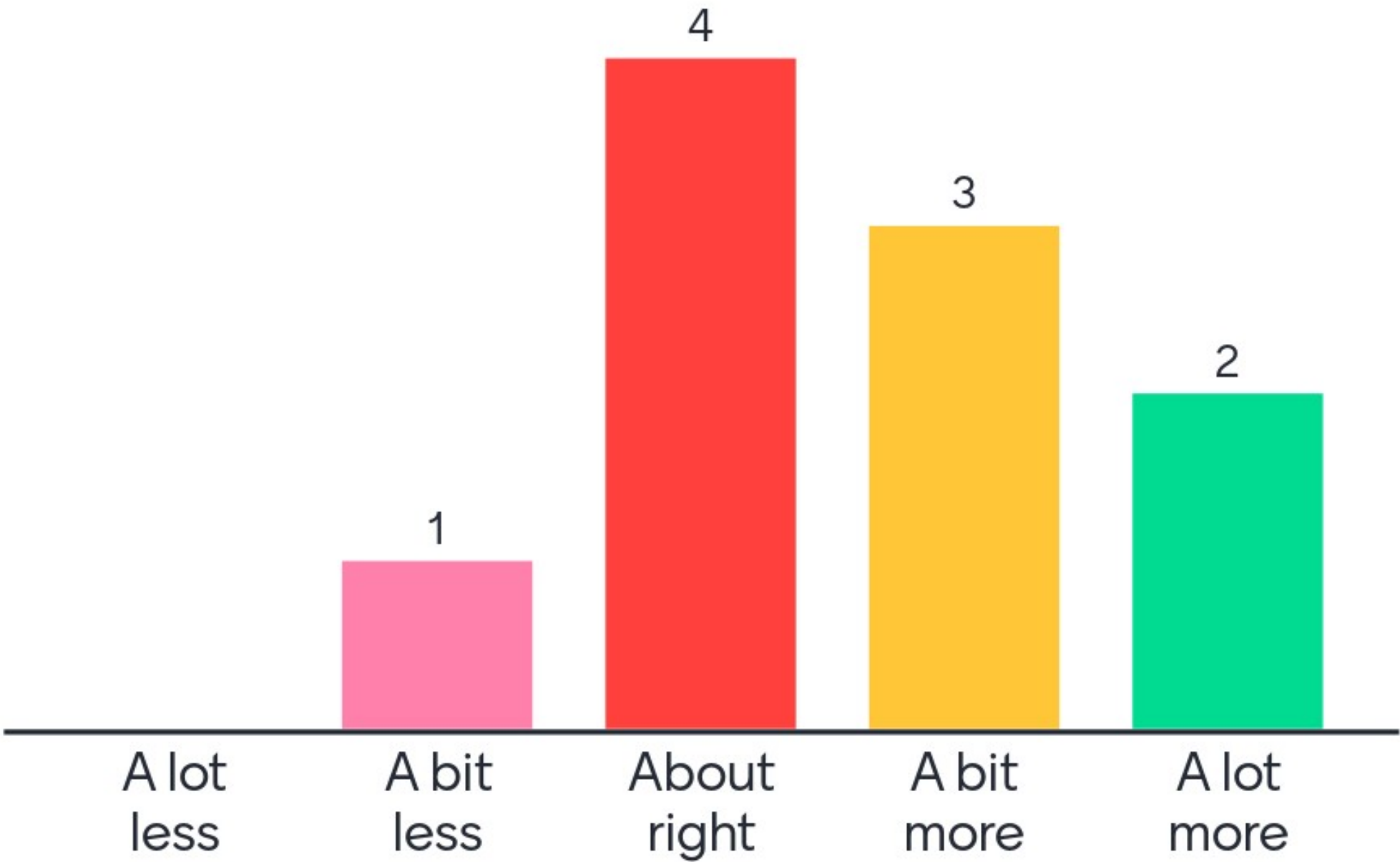
The meeting shall conclude on or before 9.30pm unless there is a specific motion adopted at the meeting to continue beyond that time.

The meeting was declared closed at 9.24pm.

CONFIRMED THIS 6 DAY OF AUGUST 2024

CHAIRPERSON

How much should council focus on trees, biodiversity and greening?





Key focus areas for trees, biodiversity and greening?

Reporting	Retaining private trees eg. Incentives to support trees on private property	Additional irrigation across our parks and reserves	Transparency of Measurement
Educating the community	Protecting significant trees.	Biodiversity sensitive urban design	native plantings diverse plantings: ground, shrub and trees.





Key focus areas for trees, biodiversity and greening?

Opportunities at
Glenthorne National Park

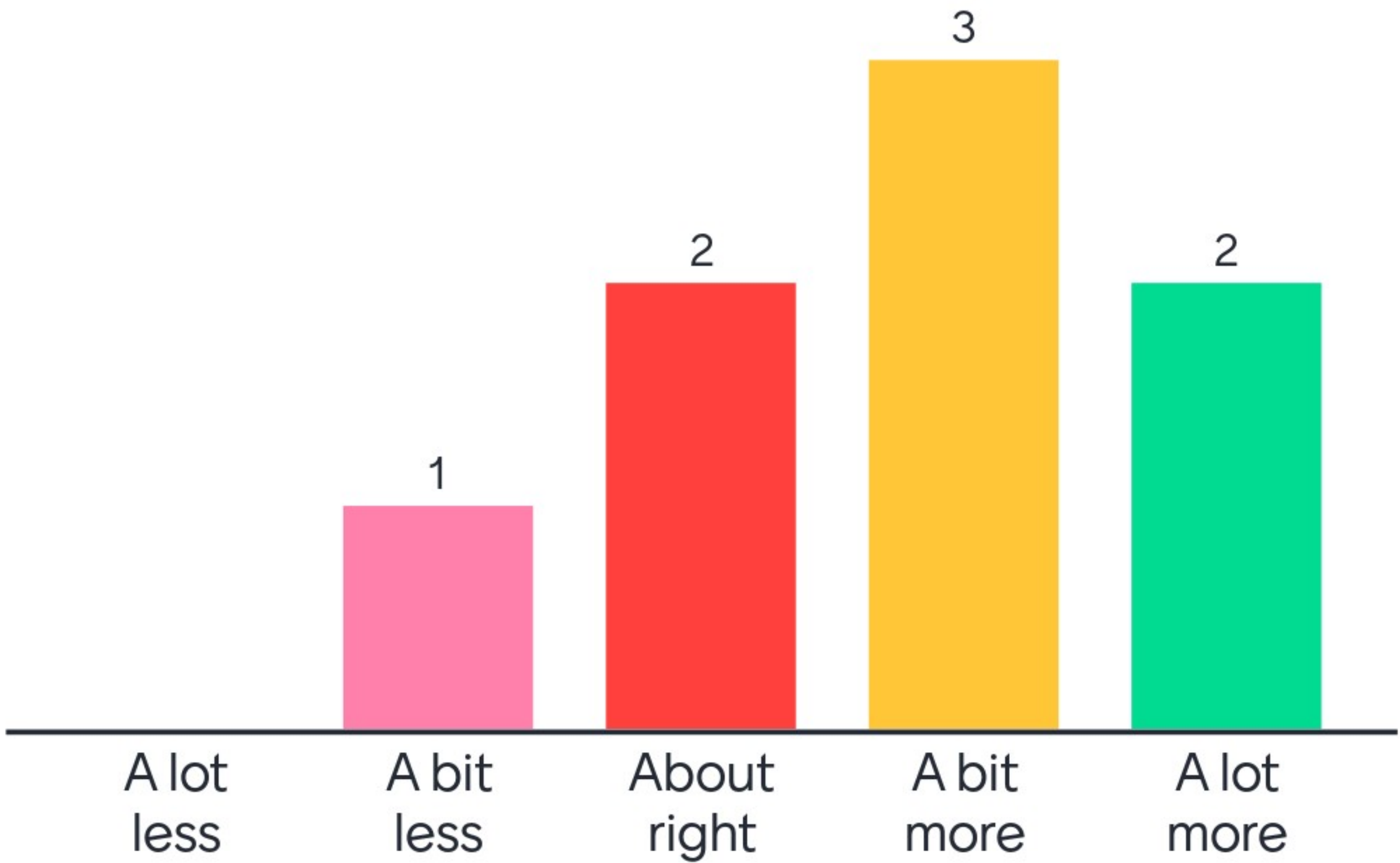
Offset of Infill v replacing
trees/bio

Economic value, reporting

pursue commercial water
opportunities



How much should council focus on water?





Key focus areas for water management?

- Water sensitive urban design in targeted way
- More Marion Water Business water going up the hill to southern wards
- Interested in water for cooling and what that might look like and can we deliver
- Keep expanding the recycled water to service all reserves
- Water security
- water pollution identification and reporting/prevention/treatment on public land
- Ensure field river done properly in consultation with other stakeholders
- advocacy on pollution affecting community/multiple properties - eg PFAS pollution and current Hills industries ground water plumes





Key focus areas for water management?

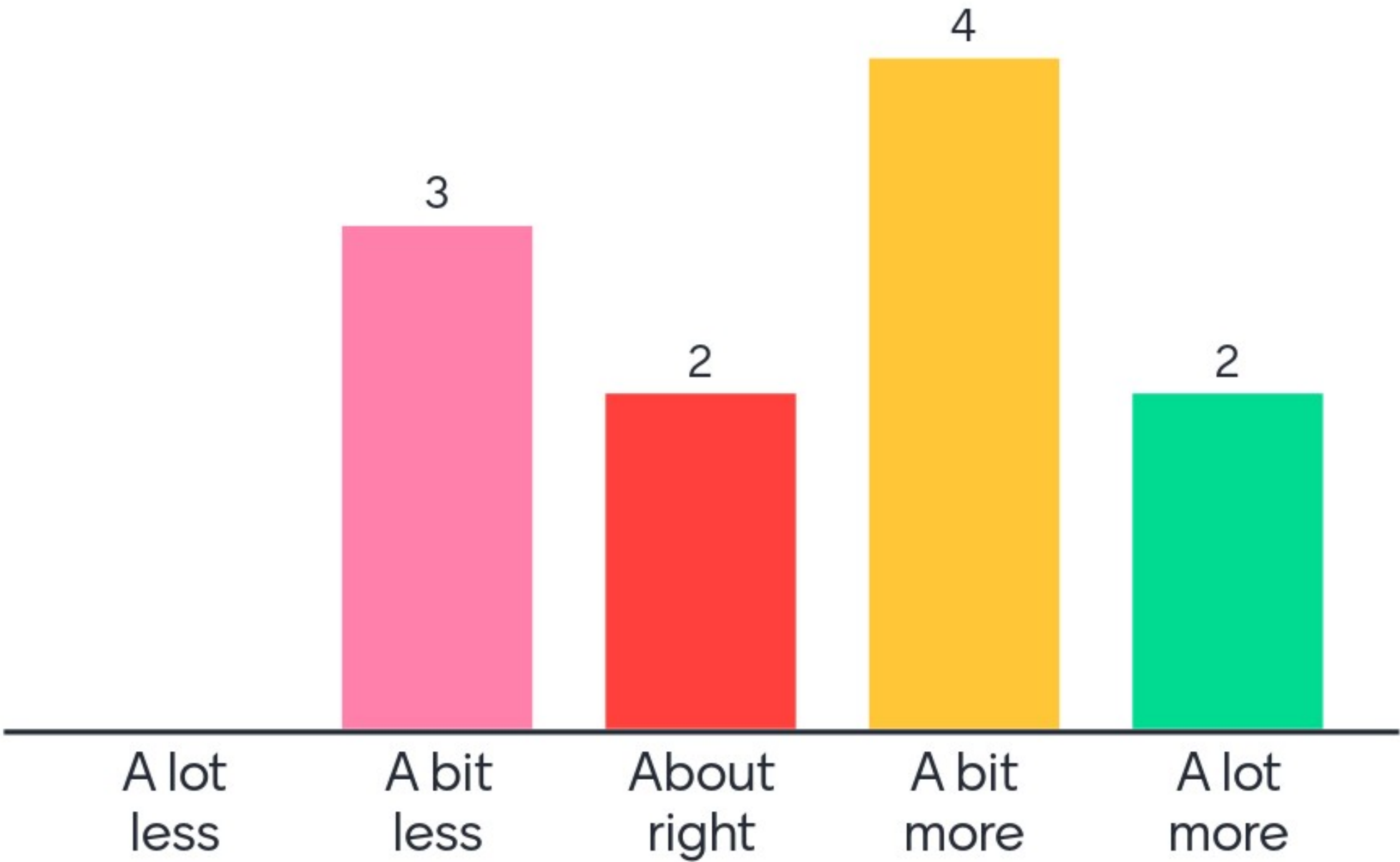
More projects to divert stormwater

Keep progressing other council collaboration with our water business

Cancer causing chemical found in tap water



How much should council focus on climate resilience and emissions reduction?



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Key focus areas for climate resilience and emissions reduction?

- Green hydrogen rubbish trucks
- The NEW Carbon Mininisation Plan
- Replace Carbon Neutral Palan with Carbon MINIMISATION pLAN
- identify the practical impact - pollution reduction.
- Continued or increased collaboration with other councils/best practice
- Sustainable procurement policy
- More sustainable construction
- EV chargers





Key focus areas for climate resilience and emissions reduction?

<p>Sustainable transport. Incentives to reducing cars per household.</p>	<p>Renewal energy transition</p>	<p>do as much as we can within our scope and partner to influence/incentivise community reductions.</p>	<p>Maintain sustainable assets Consider sea level rise impact Keep planting and maintaining greenery</p>
<p>Understanding emissions reduction at the household level, EV infrastructure</p>	<p>Sustainable transport eg. Info and support re EVs and ebikes</p>	<p>Again best reporting possible to accurately be able to monitor success or otherwise</p>	<p>Look for anything new in construction to use more recycled material. Look for ways to use products from SRWRA</p>





Key focus areas for climate resilience and emissions reduction?

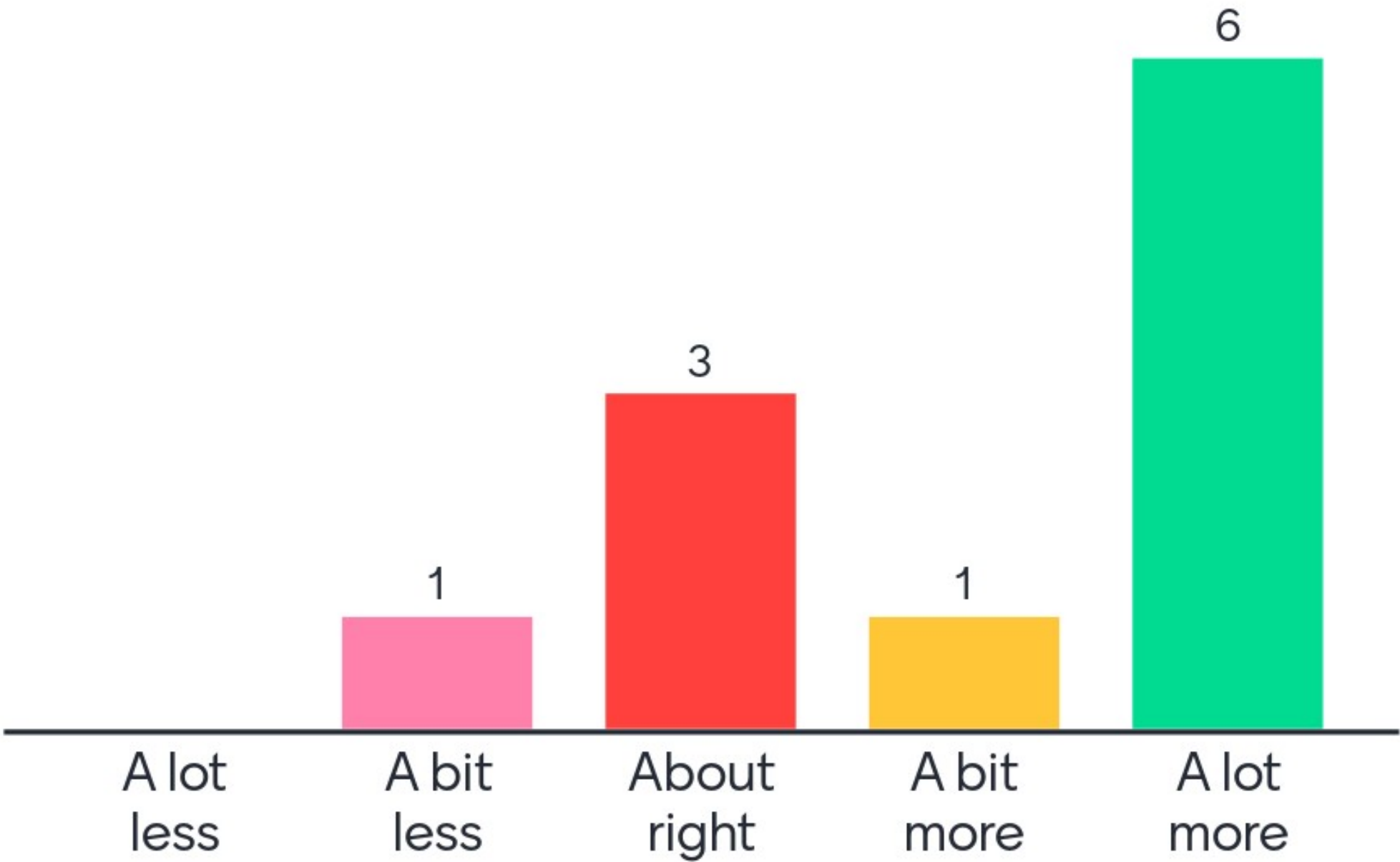
agree with talk about
POLLUTION not emissions
reduction which could mean
any sort of fluids

advocate on behalf of
community to ensure
changes are done in a way
that includes community and
does alienate them.

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How much should council focus on waste management?





Focus areas for waste management?

Community Education	Additional green bin at low cost	Doing something about soft plastics when timing is right	Not soft plastics
product stewardship advocacy	Not single use plastics	Second red bins should come at significant cost	Microplastics eg through AUSMAP to support monitoring and targeted interventions





Focus areas for waste management?

Recycle, reuse hubs at council sites for items that cannot be taken in yellow bins.

FOGO

Converse with the other 2 councils on whether there is any feasibility in soft plastic processing - or whether we as a group or individually want to support a third party

Research process improvement and new technologys on waste management and kerbside bin collection.

More work on circular economy

More community education

Library of things for people to borrow rather than buying

Providing residents a second green bin upon request.





Focus areas for waste management?

- Textile recycling
- more independent and less council members on SWARA Board
- More green waste means we could use part ourselves instead of sending all to Peats
- Recycling for batteries, lithium, solar panels (via SWARA?)
- clear and up to date advice/education on recycling options. for example telling people the e-waste collection is now behind good guys on marion road as opposed to outside harvey norman as before.
- Helping residents understand the effort in waste sorting is worthwhileLearn from SWRA re advantages
- Gain an understanding of cost neutral opportunities in circular economy and product stewardship.
- Not FOGO until extra cost removed from Council, cannot afford nearly \$1m per year





Focus areas for waste management?

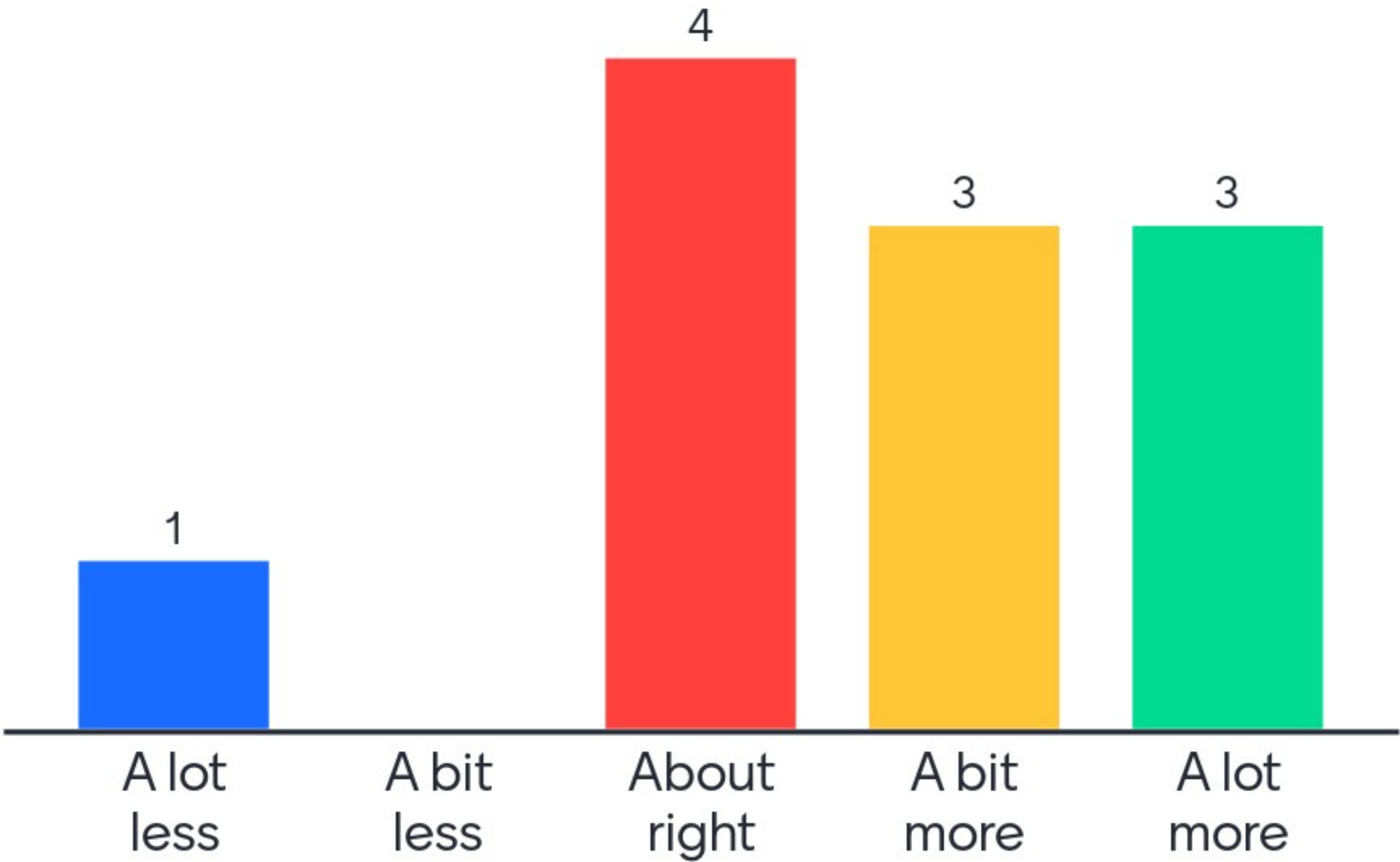
Provides extra bin without cost.

More residents knowledge on home composting etc

try to avoid scope creep and over-reach as others are better equipped and funded to deal with extra - eg soft plastics



How much should council focus on sustainable living and engagement?





Focus areas for sustainable living and engagement?

- Would like data around take up of rebates and incentives from other councils
- What does sustainable food systems mean to COM/ residence.
- Common thread forum looks good
- What are the rebates or incentives being offered by others and do we offer any?
- Explore reuse recycling and share economies more using current resourcing levels but diverting and trying something different
- more than enough is being done. Consider many others are advising about how to recycle etc as well
- Community education re sustainable food
- how can we get more people to be aware of what is out there? we need to move past just those already invested in these initiatives- on the flipside we need to be realistic on evel of broader demand





Focus areas for sustainable living and engagement?

Are current services getting much traction? Engagement?

Research rebates.

leverage what others are doing and have available

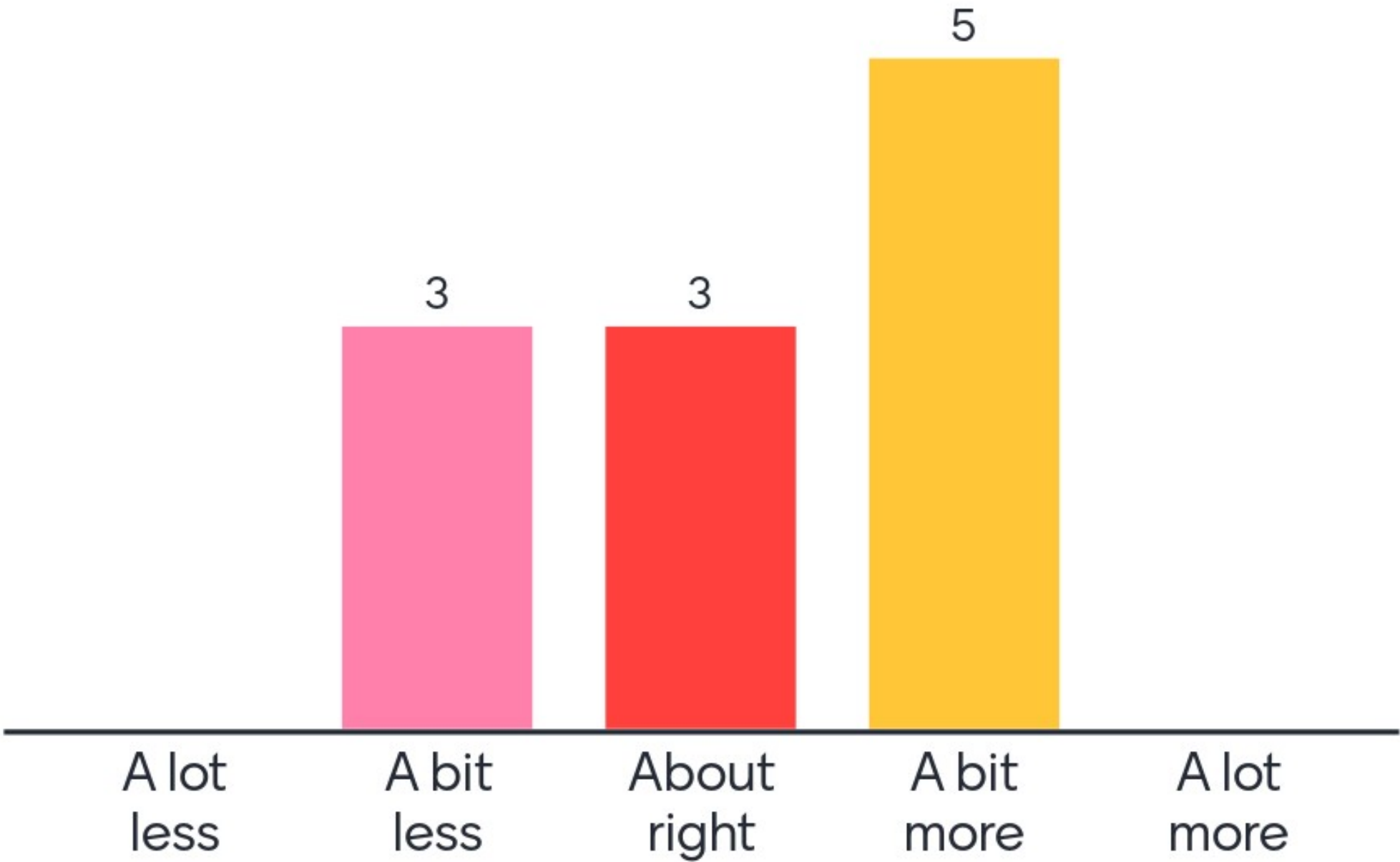
Increase community garden support

Incentives and community education.





How much should council focus on governance and reporting?





Focus areas for governance and reporting?

- Reporting important so can be confident with public messaging, but prefer to spend more on the actual initiatives
- Incorporating environmental impact/climate impact on council reports for decision as matter of course
- Please no money on external consultants for this. Do not start on whole of community emissions - absurdly big job.
- do reporting that will help us and the basic assessment of practical results.
- Benchmark against similar Councils
- Investigate how we could do community emissions reporting
- Education campaign on Climate Risk Disclosure and Community Emissions Reporting.
- make language or reporting easy to understand for general public, often the reports are done with too much jargon and this excludes people.





Focus areas for governance and reporting?

Keep it simple

Clear Policy and
legislation

Environment Reoort card yes, but
hard copy paper sheets may be
counterproductiveSustainable
assessments without complex
EiS hopefullyWe need to
measure, but be aware that
limited distribution



5 Business Arising

5.1 Business Arising Statement - Action Items

Report Reference	IEC240709R5.1
Originating Officer	Executive Officer to the General Manager City Services – Colleen Madsen
Corporate Manager	N/A
General Manager	General Manager City Services – Ben Keen

REPORT OBJECTIVE

The purpose of this report is to review the business arising from previous meetings of the Environment Committee meetings, the meeting schedule and upcoming items.

RECOMMENDATION

That the Infrastructure and Environment Committee:

- 1. Notes the business arising statement, meeting schedule and upcoming items.**

ATTACHMENTS

1. IEC240709 Business Arising as at 9 July 2024 [**5.1.1** - 2 pages]
2. IEC 240709 - Schedule of Upcoming Items 2024 [**5.1.2** - 4 pages]

**CITY OF MARION
BUSINESS ARISING INFRASTRUCTURE AND ENVIRONMENT COMMITTEE MEETINGS**

AS AT 9 JULY 2024 

Meeting Date	Document	Item	Action Required	Assignee/s	Action Taken / Response	Status
11 June 2024	IEC240611R7.1	Environmental Sustainability Plan	The committee would like to see figures on how much we spend on each environmental sustainability area included in the Draft Environmental Sustainability Plan that comes back to IEC later in 2024.	R Neumann	Report scheduled for 12 November IEC meeting.	In progress
11 June 2024	IEC240611R7.1	Environmental Sustainability Plan	QoN The committee would like an estimate of the costs versus the returns on the solar cells installed around the council, which have been in place for approximately 8-9 years and have a payback period of 5 ½ years.	R Neumann	Email to Committee Members 4/7/2024	Complete
11 June 2024	IEC240611R7.2	Carbon Inventory and Reporting	QoN Can the Committee have the data on how much our solar panels have reduced our emissions?	R Neumann	Email to Committee Members 4/7/2024	Complete
11 June 2024	IEC240611R7.2	Carbon Inventory and Reporting	QoN Can the Committee have in writing further information on the concept of council purchasing "Certified Green Power" and "Climate Active" / "Carbon Neutral" Certification.	R Neumann	Email to Committee Members 4/7/2024	Complete

**CITY OF MARION
BUSINESS ARISING INFRASTRUCTURE AND ENVIRONMENT COMMITTEE MEETINGS**

AS AT 9 JULY 2024 

Meeting Date	Document	Item	Action Required	Assignee/s	Action Taken / Response	Status
11 June 2024	IEC240611R7.2	Carbon Inventory and Reporting	The committee suggested revising the Carbon Neutral Plan and bring it back to Council in the next 12 months for review.	R Neumann	Included in the GC schedule of upcoming items for June 2025.	In progress
11 June 2024	IEC240611R7.3	Environment Communications and Engagement	The committee would like some data on the sustainability rebate programs delivered by other councils.	R Neumann	Email to Committee Members 4/7/2024	Complete

* Completed items to be removed are shaded

Infrastructure and Environment Committee – 2024 Schedule of upcoming items

Infrastructure and Environment Committee		Date: Tuesday, 13 February	Time: 6.30pm – 9.30pm	Venue: Chamber	
Topic	Type of Report	Description	External Attendees	Staff Responsible	
Digitised Tree Asset Management Plan				I Seccafien	
Community Renewables and VPP and EVs		Includes an update on EV transition plan and charging stations		M Allen	
Workshop agenda for 2024					

Infrastructure and Environment Committee		Date: Tuesday, 9 April	Time: 6.30pm – 9.30pm	Venue: Chamber	
Topic	Type of Report	Description	External Attendees	Staff Responsible	
Business Arising		Business arising from previous meetings, the meeting schedule, and upcoming items		C Madsen	
Walking and Cycling Action Plan				M Allen	
Footpaths		Refer GC231212		C Lundborg	
Streetscape program		10-year program		M Allen	

Infrastructure and Environment Committee		Date: Tuesday, 11 June	Time: 6.30pm – 9.30pm	Venue: Chamber	
Topic	Type of Report	Description	External Attendees	Staff Responsible	
Business Arising		Business arising from previous meetings, the meeting schedule, and upcoming items		C Madsen	
Environmental Engagement and Comms		Info update and help inform program over the rest of calendar year. Feedback on focus areas for Common thread Question about sustainability rebates program		R Neumann	

Infrastructure and Environment Committee – 2024 Schedule of upcoming items

Environment Plan		Engagement on scope and directions for the CoM Environmental Sustainability Plan (and CoM Strategic Plan if time permits)		R Neumann
Carbon Inventory and Reporting				R Neumann

Infrastructure and Environment Committee		Date: Tuesday, 9 July	Time: 6.30pm – 9.30pm	Venue: Chamber	
Topic	Type of Report	Description	External Attendees	Staff Responsible	
Business Arising		Business arising from previous meetings, the meeting schedule, and upcoming items		C Madsen	
Flinders University Sustainability Strategy			William Van Ausdal	M Allen	
Marion Water Business Update				G Ricketts	
262 Sturt Road Precinct Landscaping		Review of scope		B Jaggard M Hubbard	

Infrastructure and Environment Committee		Date: Tuesday, 6 August	Time: 6.30pm – 9.30pm	Venue: Chamber	
Topic	Type of Report	Description	External Attendees	Staff Responsible	
Business Arising		Business arising from previous meetings, the meeting schedule, and upcoming items		C Madsen	
EV Charging Station trial (SAPN)		Update on SA Power Networks Electric Vehicle (EV) Charging Station trial and the joint EV charging stations request for proposal tender.		C Lundborg	
Sustainable Solar Savings Scheme		Brief Update	ShineHub	M Allen	
FOGO (Food Organics, Green Organics)				A Byrne	

Infrastructure and Environment Committee – 2024 Schedule of upcoming items

Infrastructure and Environment Committee Date: Tuesday, 10 September Time: 6.30pm – 9.30pm Venue: Chamber				
Topic	Type of Report	Description	External Attendees	Staff Responsible
Business Arising		Business arising from previous meetings, the meeting schedule, and upcoming items		C Madsen
Green Adelaide Update			Chris Daniels	R Neumann
Field River Dunes				R Neumann
Tonsley Car Park (TBC)				C Lundborg
Streetscape Matrix				C Lundborg

Infrastructure and Environment Committee Date: Tuesday, 8 October Time: 6.30pm – 9.30pm Venue: Chamber				
Topic	Type of Report	Description	External Attendees	Staff Responsible
Business Arising		Business arising from previous meetings, the meeting schedule, and upcoming items		C Madsen

Infrastructure and Environment Committee Date: Tuesday, 12 November Time: 6.30pm – 9.30pm Venue: Chamber				
Topic	Type of Report	Description	External Attendees	Staff Responsible
Business Arising		Business arising from previous meetings, the meeting schedule, and upcoming items		C Madsen
Draft Environmental Sustainability Plan				R Neumann

Infrastructure and Environment Committee – 2024 Schedule of upcoming items

6 Confidential Items - Nil

7 Reports for Discussion

7.1 Flinders University Sustainability Strategy

Report Reference	IEC240709R7.1
Originating Officer	Manager Engineering, Assets and Environment – Mathew Allen
Corporate Manager	- N/A
General Manager	Acting General Manager City Services - Brian Green

REPORT OBJECTIVE

The purpose of this report is to introduce a presentation from Flinders University to the Infrastructure and Environment Committee on their 2030 Sustainability Strategy.

EXECUTIVE SUMMARY

Flinders University Principal Sustainability Strategist will present their 2030 Sustainability Strategy. This strategy addresses the evolving sustainability landscape, integrating a holistic approach, and aligns with current academic standards. Key focus areas include climate action and sustainable society contributions, aiming to sustain institutional excellence and leadership in global environmental challenges from now through to 2030.

RECOMMENDATION

That the Infrastructure and Environment Committee:

- 1. Notes the presentation from Flinders University Principal Sustainability Strategist William Van Ausdal on the Flinders University 2030 Sustainability Strategy.**

DISCUSSION

A presentation from Flinders University Principal Sustainability Strategist, William Van Ausdal will outline Flinders University 2030 Sustainability Strategy and include significant milestones achieved since launching its 2025 Sustainability Plan in 2018 including transitioning to 100% renewable electricity, implementing composting services and introducing bicycle infrastructure.

The 2030 Sustainability Strategy, formulated through sector scans and stakeholder consultations, aims to align with best practices and sustainability frameworks. The strategy defines four key pillars:

- Strategic Pillar 1 - Learning, Teaching, and Research
- Strategic Pillar 2 - Facilities and Operations
- Strategic Pillar 3 - Partnerships and Engagement
- Strategic Pillar 4 - Leadership and Governance

The strategy focuses on enhancing institutional reputation, guiding operational decisions, and positioning Flinders as a leader in addressing global challenges.

PRESENTER: Mr William Van Ausdal, Flinders University Principal Sustainability Strategist.

PRESENTATION TIME: 15 minutes.

ATTACHMENTS

1. Flinders 2030 Sustainability Strategy (Marion) SUMMARY [7.1.1 - 18 pages]



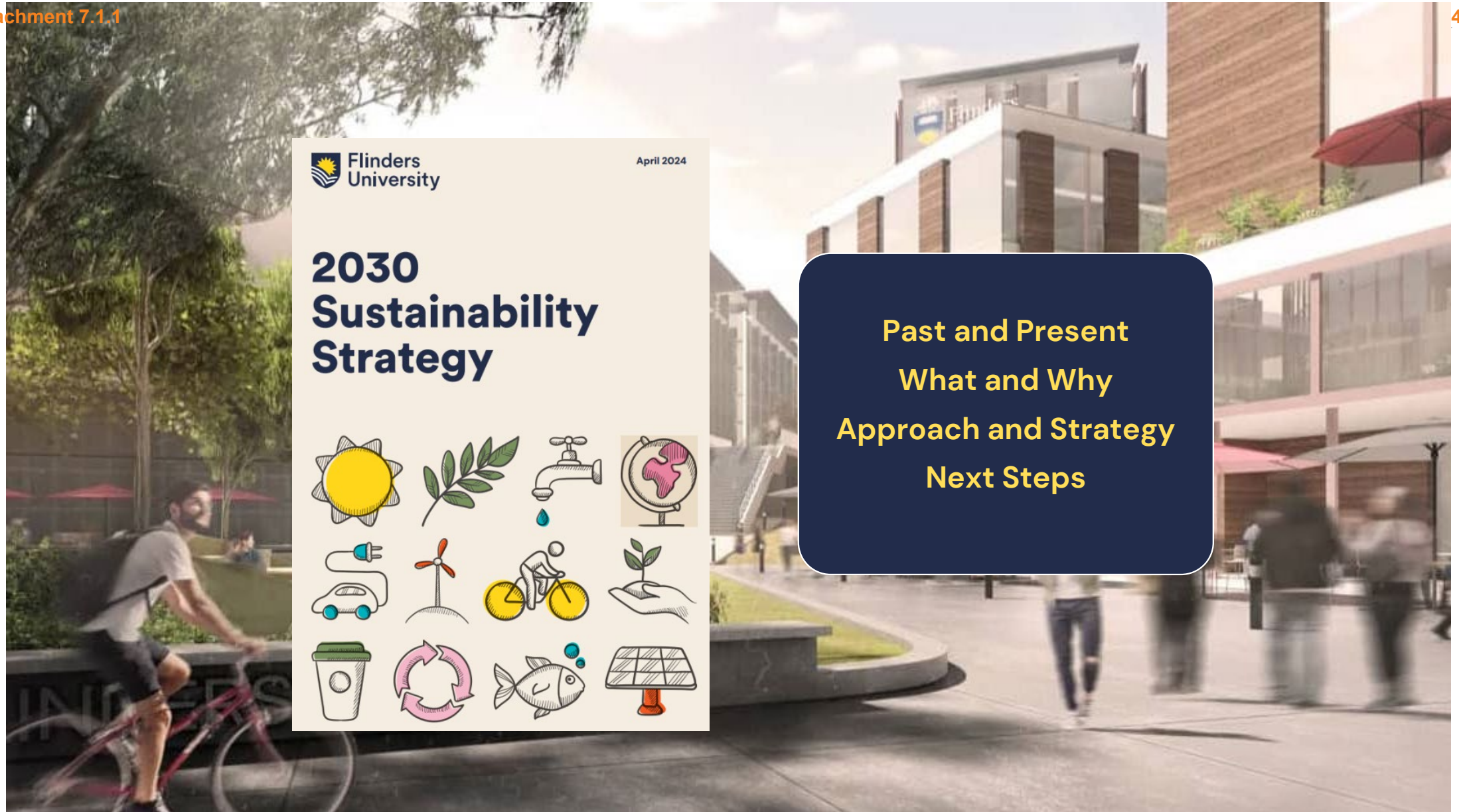
Flinders University 2030 Sustainability Strategy

City of Marion Infrastructure and Environment Committee

Our Past, Present and Future

William Van Ausdal
Head of Sustainability



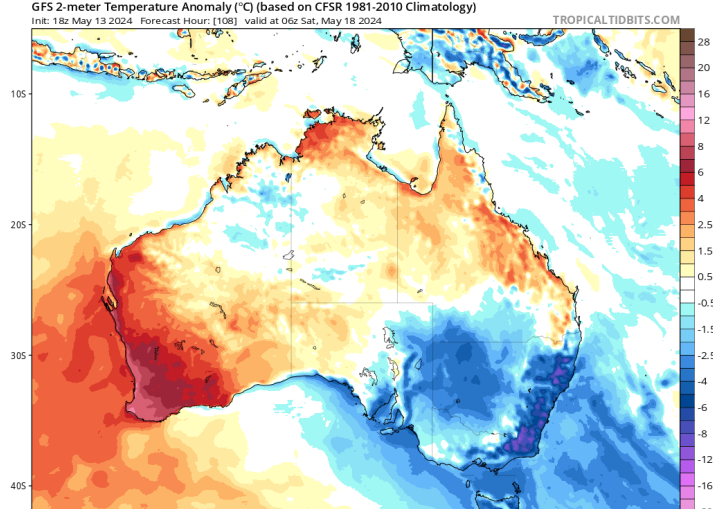


What is sustainability?

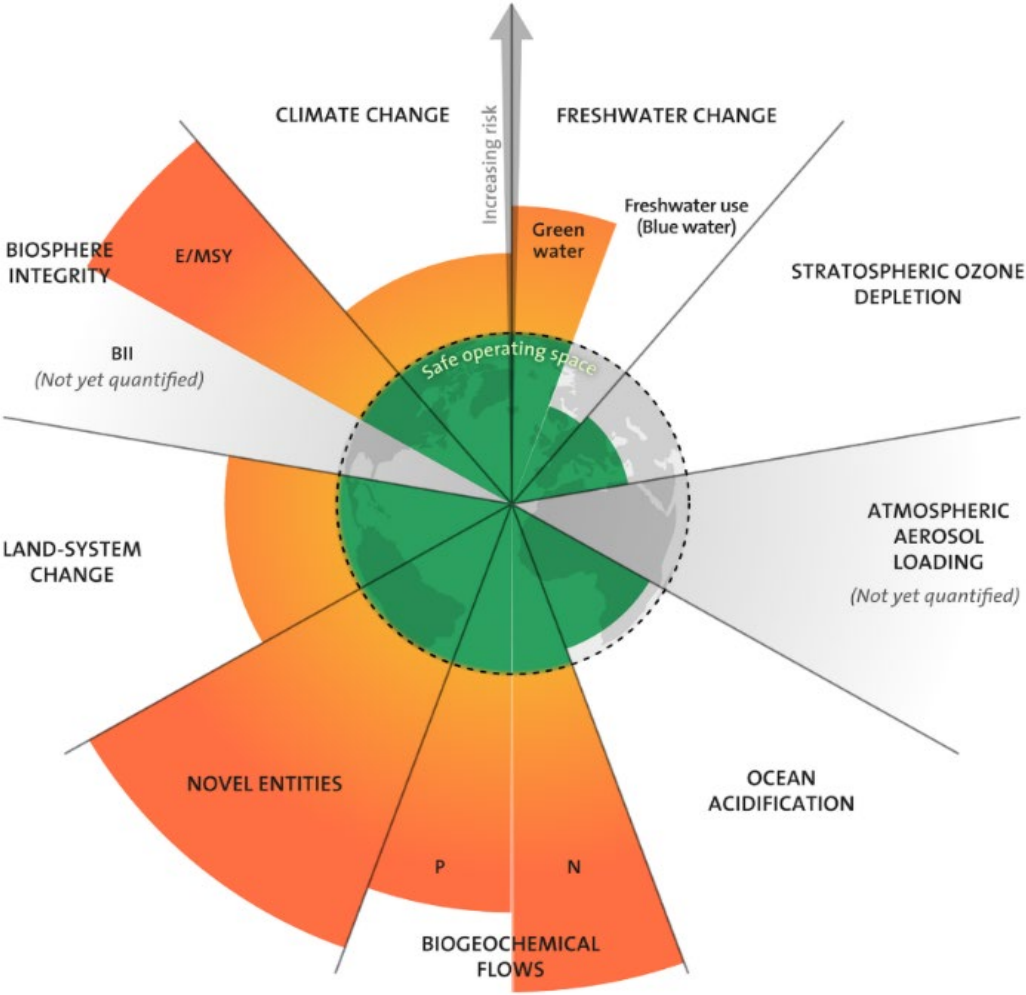
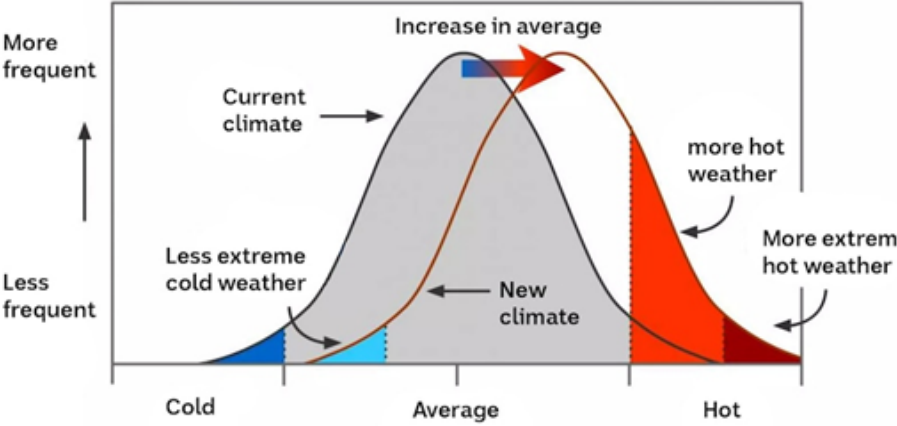
- “...meet the needs of the present without compromising the ability of future generations to meet their own needs.”

World Commission (1987)—the Brundtland Report

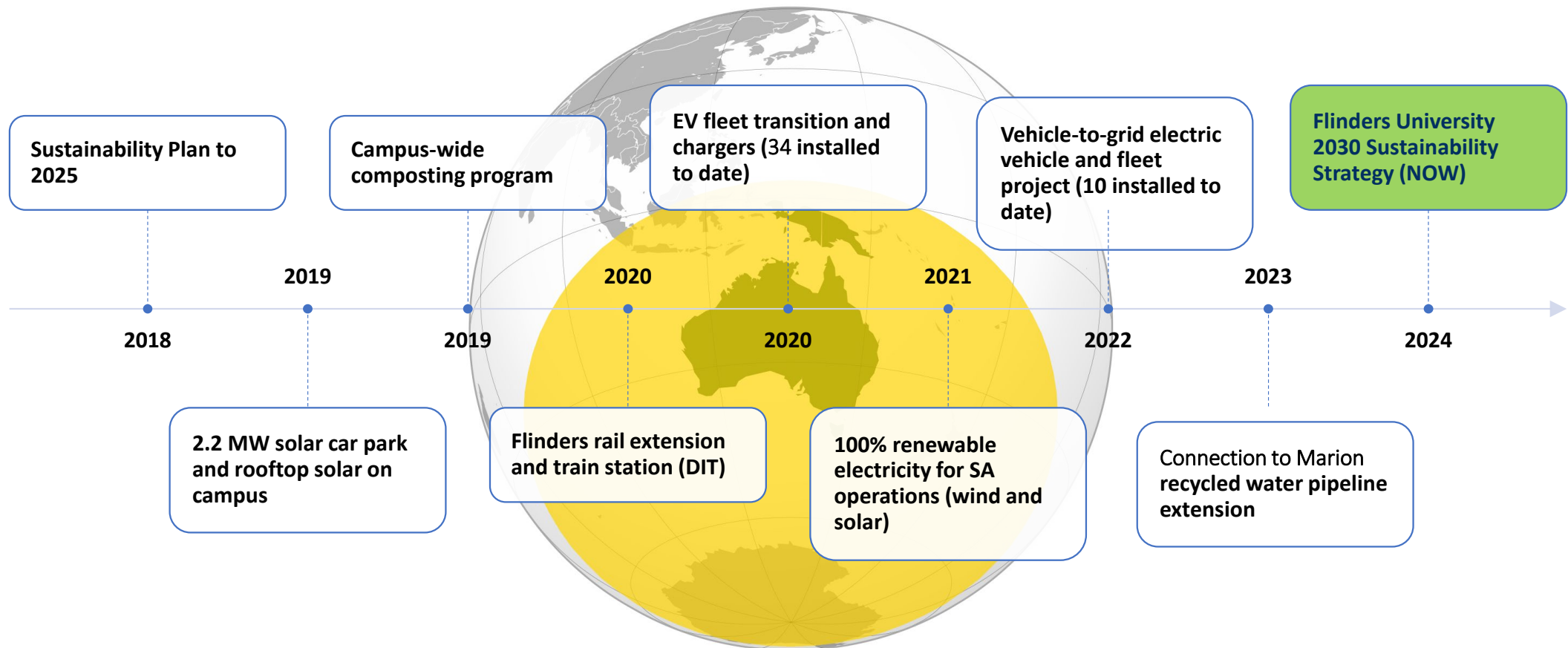




How small shifts in temperature drive extreme heat

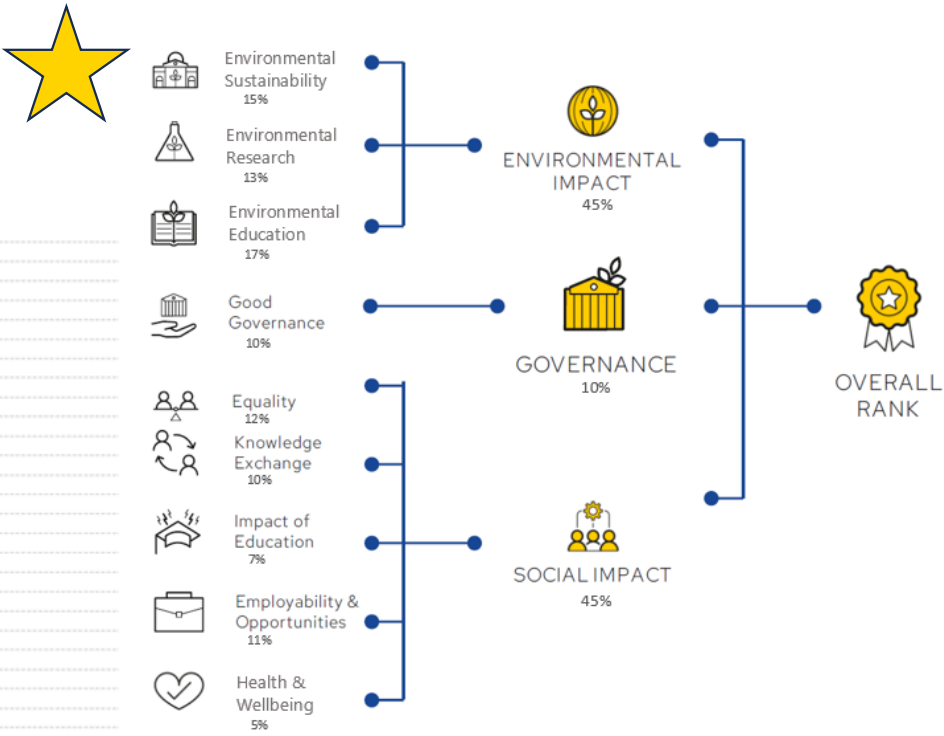
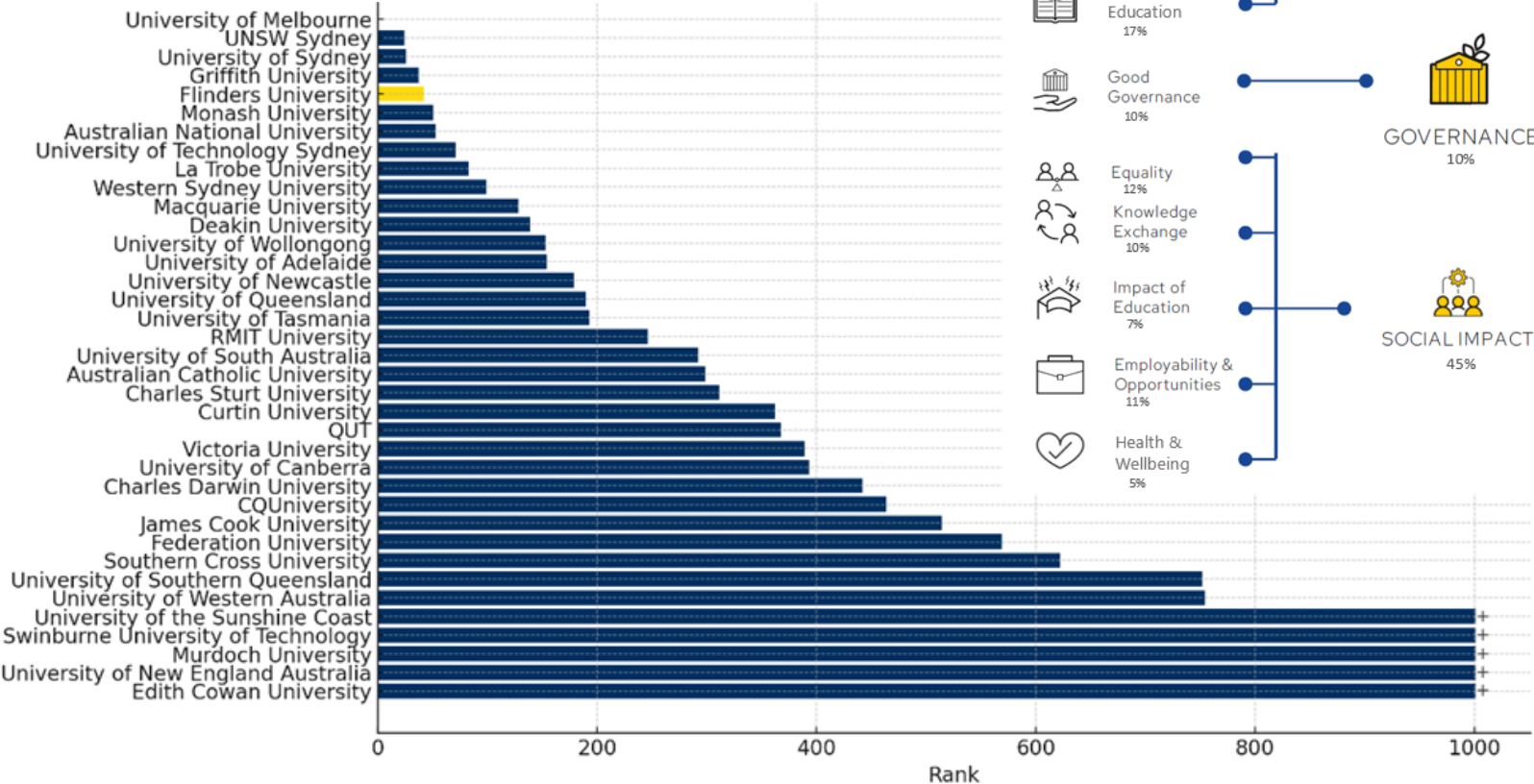


OUR PAST & PRESENT



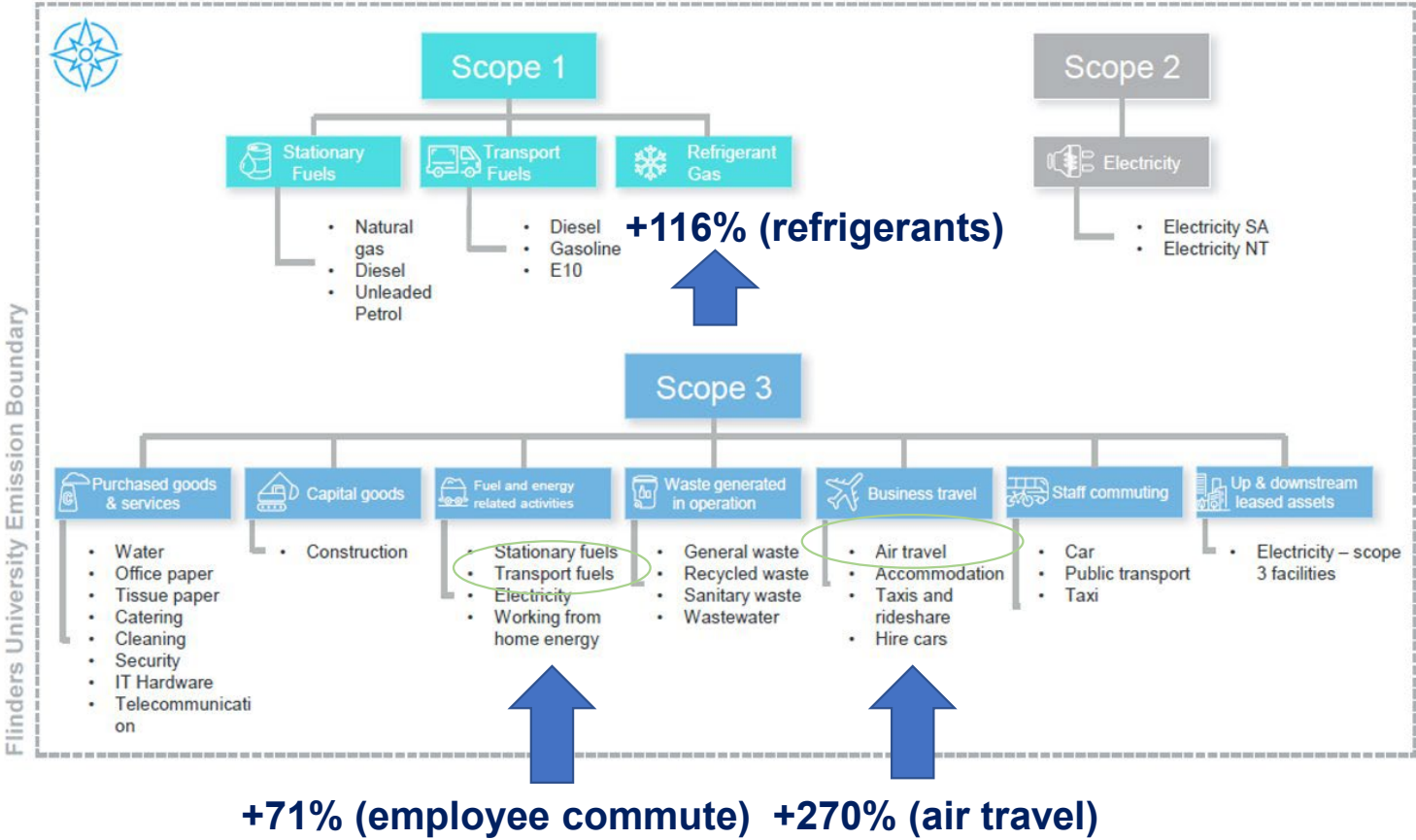
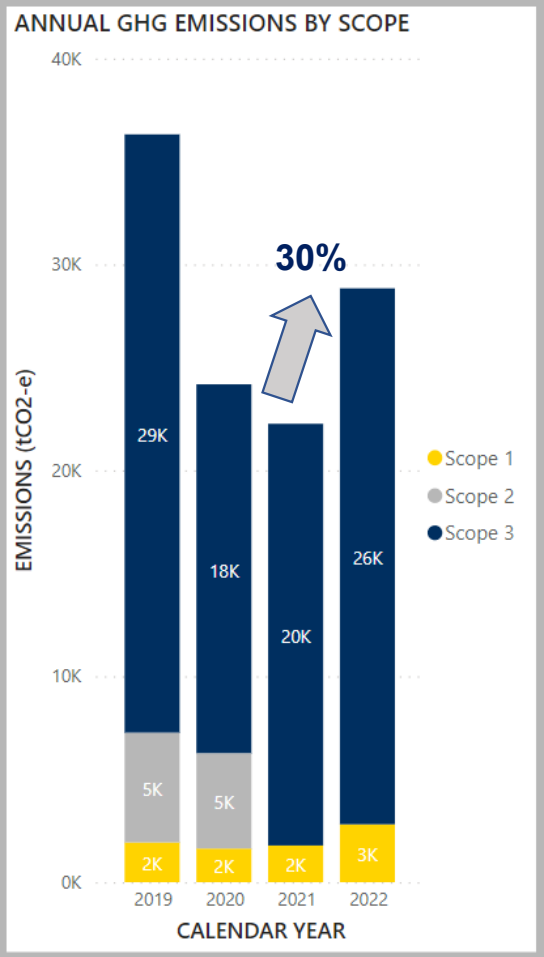


QS World University Rankings: Sustainability

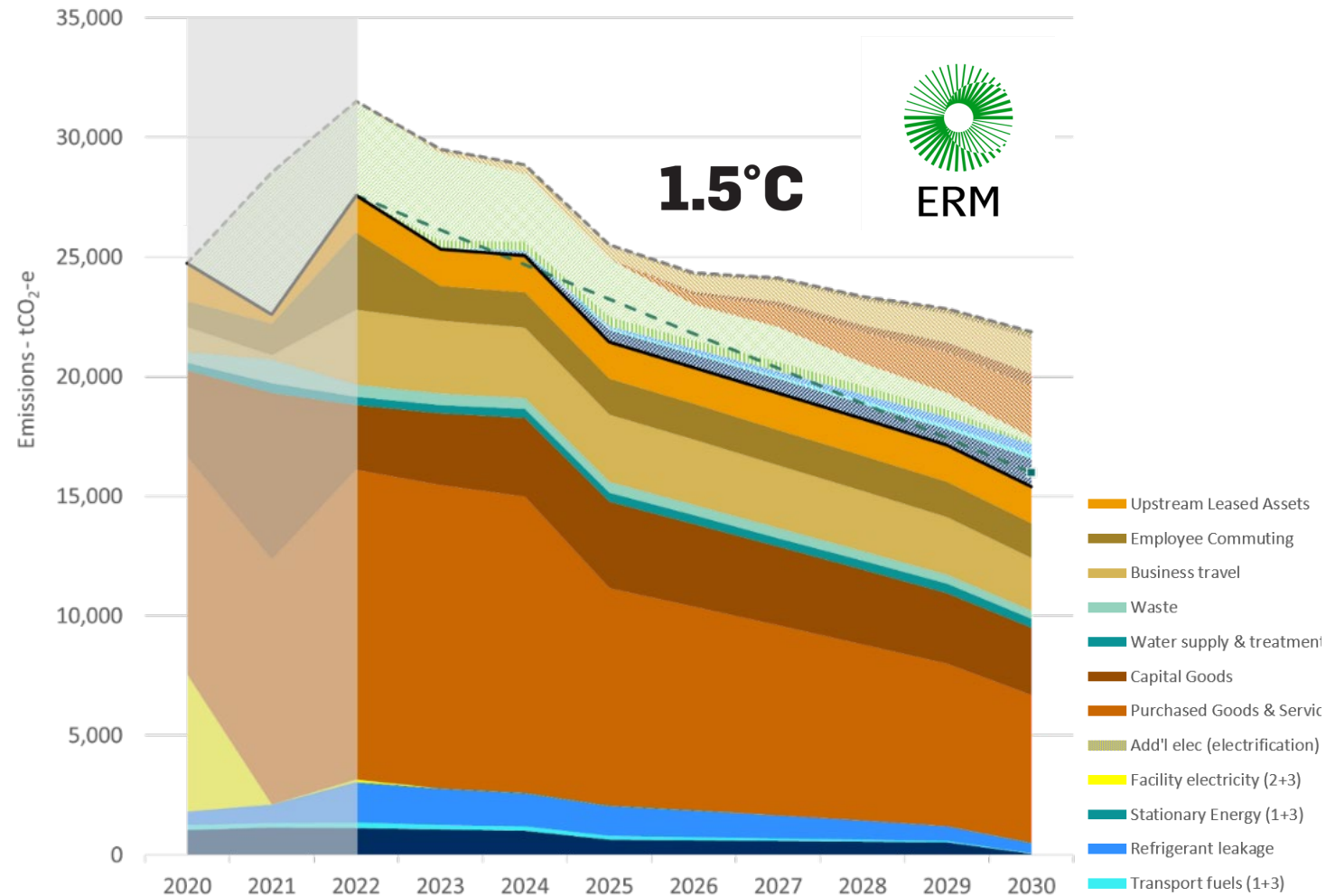


Australian Universities 'Environmental Sustainability' QS World Rankings
Sustainability 2024

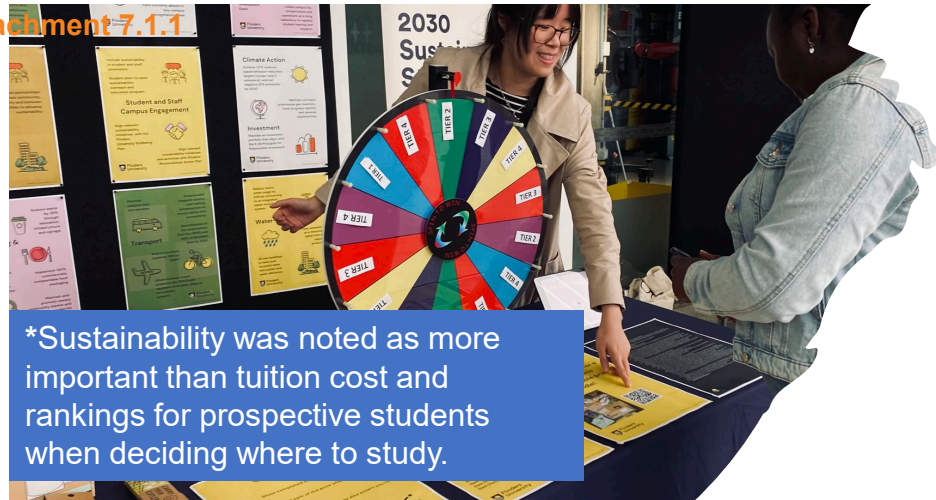




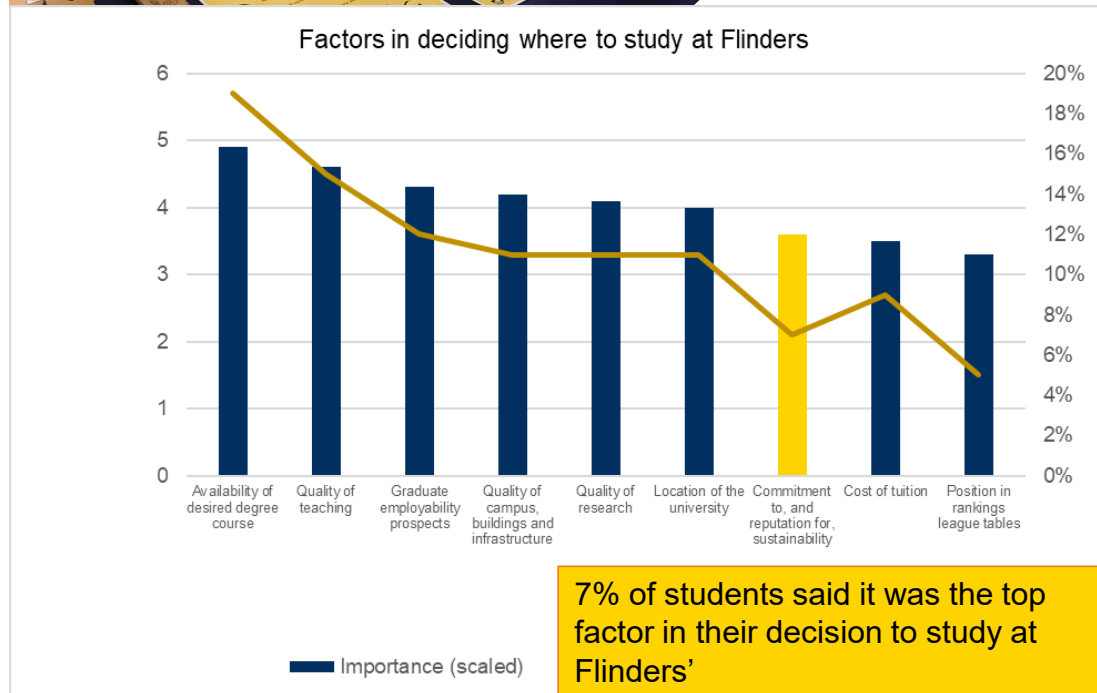
Taking Climate Action



- Identify, develop and implement opportunities towards emissions reductions for scope 1 and 2 emissions aligned with 1.5°C
- Engage our operations and value chain to address indirect emissions
- Achieve a net-negative (25%) emissions profile (scope 1-3) by 2030



*Sustainability was noted as more important than tuition cost and rankings for prospective students when deciding where to study.



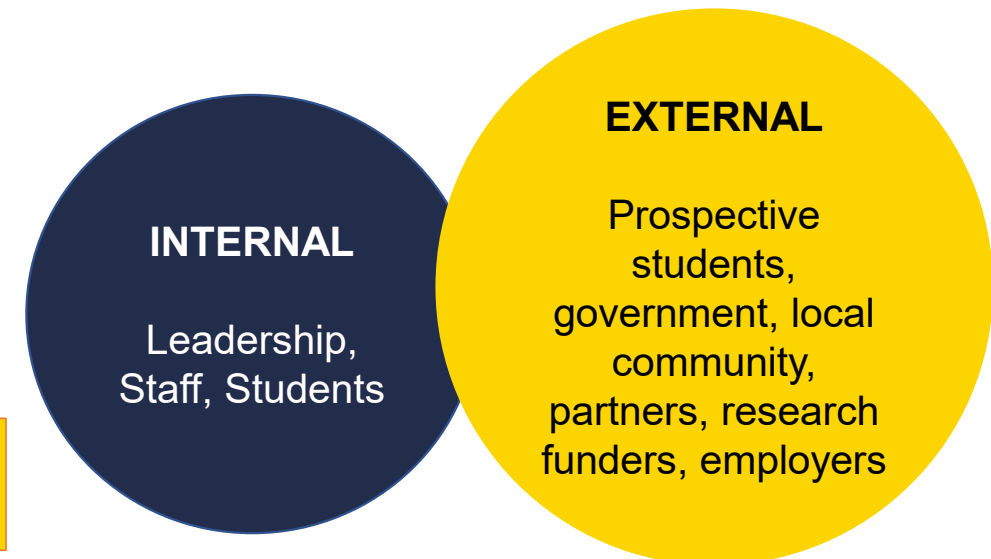
Engagement and Consultation

Workshops to inform, facilitate, collect feedback

Student Pop-ups to educate and gather feedback

Staff and Student Survey

- 1044 survey responses (653 students)
- Overwhelming support and actionable feedback
- Strategy informed by staff and students





2030 Sustainability Strategy (Vision)

Flinders University is committed to sustainability, inclusivity, and global responsibility, we will confront challenges such as climate change, biodiversity loss, and social inequalities and lead society towards a brighter future.

By integrating these pressing issues into our strategic agenda, conducting research, offering sustainability-focused and inclusive educational programs, implementing sustainable practices across all functions, and engaging with external networks, we will actively address societal needs and advance sustainability on a local, national, and global scale.

**1.5°C**

2030 Sustainability Strategy (Principles)

Principle 1 - Contributing to a sustainable society

We acknowledge and align with the United Nations' Sustainable Development Goals (SDGs). We will embrace these goals and integrate the SDGs into Flinders' curriculum and research themes.

Principle 2 – Taking climate action

While already achieving 100% renewable electricity, our decarbonisation roadmap outlines our pathway to further decrease gross direct greenhouse gas (GHG) emissions by at least 42% by 2030, aligning with the 1.5 °C Paris target.

Principle 3 – Whole-of-Flinders approach

Our draft Strategy focuses on four strategic pillars, each with its own proposed objectives and actions:

- Learning, Teaching and Research
- Facilities and Operations
- Partnerships and Engagement
- Leadership and Governance





Strategic Pillar 1 - Learning and Teaching

Objective 1.1 Sustainability in the Curriculum

Initiatives

- Micro-credential in Sustainability
- Graduate Certificate in Renewable Energy and Sustainability Systems (Integrated with Graduate Diploma in Environmental Health and Graduate Certificate in Groundwater Hydrology)
- Collaboration and recruitment of engineering students
- Urban and Regional Planning Degree (2025)



Strategic Pillar 3 – Partnerships and Engagement

Objectives: 3.2 Community and Public Engagement

3.3 Business and Industry Partnerships

Initiatives

- Advocate for public policies that support sustainability
- The Oakland Wetlands collaboration
- South Australia Marion Water Efficiency Project
- Industry Advisory Board (IAB)



Strategic Pillar 2 - Operations

Objective 2.3 Transition towards sustainable transport

Objective 2.3 Cultivating water-wise campuses

Initiatives

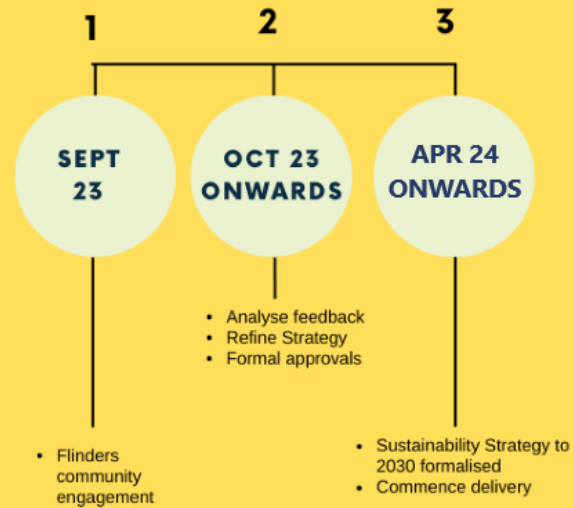
- Enhance and integrate cycling and walking infrastructure to ensure safety and accessibility from various entryways to both Bedford Park and Sturt campuses.
- Reduce mains water usage by 20% connecting to an integrated water recycling system



KEY MILESTONES

Sustainability Strategy Timeline

With student and staff engagement occurring in September 2023, feedback received will be analysed and the Sustainability Strategy will be refined. Following formal adoption, we anticipate commencing delivery aligned with the academic year in 2024.



QUESTIONS

7.2 262 Sturt Road Precinct - Landscaping

Report Reference	IEC240709R7.2
Originating Officer	Manager City Property – Mark Hubbard
Corporate Manager	N/A
General Manager	General Manager City Development - Tony Lines

REPORT HISTORY

Report Reference	Report Title
GC240528R17.2	262 Sturt Road Precinct - Landscaping

REPORT OBJECTIVE

To present a report on options to landscape the 262 Sturt Road sporting precinct and surrounding parks utilising a portion of funding allocated towards the Marion Sports and Community Club car park budget from the City of Marion Building Asset Strategy (CoMBAS).

EXECUTIVE SUMMARY

At the 28 May 2024 General Council meeting, a motion was raised with the goal of enhancing future landscaping and biodiversity outcomes across the 262 Sturt Road Sports Precinct and surrounding areas to offset the potential loss of two River Red Gums linked to the Ice Arena development.

Due to the large number of proposed projects to occur over the next few years across the sports precinct it is recommended to incorporate the objective of improving biodiversity and landscaping outcomes in each of the proposed projects, and to allocate \$78,200 funding from the CoMBAS fund to support improved landscaping and biodiversity initiatives.

RECOMMENDATION

That the Infrastructure and Environment Committee:

- 1. Recommends a funding allocation of \$78,200 be allocated from the \$1M funding allocation in the CoMBAS Implementation Guide under the Marion Sports and Community Club Car Park towards improving landscaping and biodiversity on the 262 Sturt Road Sports Precinct.**
- 2. Recommend that relevant Council divisions ensure that improving landscaping and biodiversity outcomes is embedded as an objective to achieve where possible for projects at the 262 Sturt Road Sports Precinct.**

DISCUSSION

1. Background

At the 28 May 2024 General Council meeting, a motion was raised with the goal of enhancing future landscaping and biodiversity outcomes across the 262 Sturt Road Sports Precinct and surrounding areas to offset the potential loss of two River Red Gums linked to the Ice Arena development.

The following is the resolution that was passed:

- Requests a report be presented to the 9 July 2024 Environment and Infrastructure meeting that investigates scoping and landscaping the 262 Sturt Road precinct and surrounding parks in the area to improve local biodiversity, tree canopy and habitat, taking into consideration any future works and constraints.
- Requests that the report investigate the option of allocating \$78,200 from the Marion Sports and Community Precinct car parking budget of \$1M in 2027/28 as listed in the CoMBAS plan towards this project.

2. Landscape Scoping

Currently there are a number of proposed and endorsed projects that are being progressed and assessed at the 262 Sturt Road precinct that at this time would make it difficult to determine an exact scope for landscaping across the site. These projects include:

- The Ice Arena (off Sturt Road) incorporating new car park.
- Club Marion main car park (off Sturt Road).
- Marion Basketball Stadium incorporating new car park (off Norfolk Road).
- Marion Tennis Club (potential site relocation) at former Women's Bowling Club and surrounding area incorporating southern end of Jasmine Reserve.
- Marion Cricket Club proposed new turf and synthetic training nets on western playing field.
- Removal of current cricket training facility beside playground.
- Club Marion playground upgrade (allocated in Open Space Plan in 2026/27).
- Jasmine Reserve upgrade (allocated in Open Space Plan in 2026/27).

As such, it is proposed that Council takes the following steps to ensure that the proposed goal of improving local biodiversity, tree canopy and habitat at the site is achieved.

- The City Activation, City Property and Engineering teams will partner with the Open Space Planning and Operations teams to ensure that where possible, improving the greening, landscaping and biodiversity outcomes of the site are incorporated into each of the projects endorsed and proposed for the site.
- An amount of \$78,200 is allocated from the Marion Sports and Community Club car parking funding in the CoMBAS towards improved greening, landscaping, and biodiversity outcomes across the 262 Sturt Road Sports Precinct.

3. Landscaping Considerations

The funding will be considered for landscaping improvements which may include:

- Additional tree planting.
- Increasing understory biodiversity.
- Increased habitat opportunities such as tree hollows and habitat logs.
- Water Sensitive Urban Designs including around hard surfaced areas.
- Improved over amenity plantings.

The final landscaping considerations are subject to the final precinct design of projects mentioned above, the landscaping outcomes have been timed accordingly.

ATTACHMENTS

Nil

7.3 Marion Water Business Update

Report Reference	IEC240709R7.3
Originating Officer	Water Resources Coordinator – Glynn Ricketts
Corporate Manager	Acting Unit Manager Engineering, Assets and Environment - Carl Lundborg
General Manager	Acting General Manager City Services - Brian Green

REPORT OBJECTIVE

The purpose of this report is to update the Infrastructure and Environment Committee on the status of the Marion Water's recent \$5.6M expansion and to present for discussion a potential grant opportunity to significantly help fund any capital costs to further expand the water distribution network to Majors Road soccer pitches.

EXECUTIVE SUMMARY

A \$5.6M capital expansion (\$1.739M grant funded) of Marion Water has recently been completed. The project has been a success although delivery was delayed due to procurement and required improvements in the governance of the Water Business. Due to these delays, water sales for 2023/24 are down on predicted estimates.

Another grant opportunity is potentially available to further expand the business south to the Majors Road soccer pitches. The possible expansion of the distribution network to the soccer pitches will be presented for discussion.

RECOMMENDATION

That the Infrastructure and Environment Committee:

- 1. Receives a presentation from the Water Resource Coordinator on Marion Water and the potential grant opportunity to expand the Business Unit.**
- 2. Supports staff to present a report to General Council in August 2024 regarding the grant opportunity for Marion Water.**

DISCUSSION

Marion Water is a self-funded, non-subsidised, full cost recovery Business Unit within Council. A recent \$5.6M expansion project has now concluded. Over 13 km of new high pressure distribution pipe supplies an estimated additional 144ML p/a of treated stormwater to irrigation sites within Mitcham, City of Holdfast Bay and importantly to new sites within Marion. The total demand available from the sites attached to the entire network is now 250ML p/a.

Table 1 summarises the key financial performance of Marion Water, since its formation. Due to the decision to delay the construction of the network expansion (to further improve the governance and reporting arrangements of Marion Water) many of the new sites were not connected to the new network in time for the last irrigation season. All the sites will be connected and pressurised in time for the 2024/25 irrigation season, bringing the forecast performance metrics back into alignment with actuals (climatic conditions accepted).

Table 1 - Key Financial Performance Metrics 2023/24 (Year 1)

Demand	Actual Revenue	Year 1 Predicted
Internal	\$277,814	\$375,000
3 rd Parties	\$134,000	\$195,000
TOTAL	\$411,814	\$570,000

Total Capital Cost	Total Operational Cost
\$5.6M (\$1.739M Grant)	\$250,000

Water banked	Value
700ML (rolling 10-year average)	\$1.645M

Marion Water now has over \$16M worth of assets, well over 50% of these have been grant funded, helping to ensure the business to be a viable proposition for our rate payers.

GRANT OPPORTUNITY

Another potential grant opportunity is available that will require a Council Resolution to enable Council to apply.

The grant, if awarded, will significantly fund a 1.8 km network extension from the Marion Golf Course to the new soccer pitches on Majors Road. A new booster pump station will also be required. This will increase the supply from the notional 250ML p/a supply to circa 280ML p/a (see Attachment 1 for further details).

The grant was discussed at the recent Marion Water Steering Group meeting and endorsement obtained to present the opportunity to the Infrastructure and Environment Committee, where approval will be sought to present the opportunity to a General Council meeting.

The grant is State Government led (Department of Environment and Water) with a funding agreement under the Resilient Rivers Water Infrastructure Program, administered by the Federal Government's Department of Climate Change, Energy, Environment and Water. To make the grant bid attractive to the funding agencies Marion will have to be a party to a tripartite funding arrangement with the Water Business Units within the City of Onkaparinga and the Eastern Regional Authority (ERA). However, each party will have a separate funding agreement and will only be responsible for its own displacement of potable water with treated stormwater supply for the sites in each respective Council area.

The Water Resource Coordinator will provide a presentation (Attachment 2) on the recent capital works and financial position of Marion Water and the grant opportunity to promote questions and discussion.

ATTACHMENTS

1. Grant Proposition - High Level Scoping [7.3.1 - 4 pages]
2. Marion Water Update - Presentation [7.3.2 - 14 pages]

Off-Farm Efficiency Grant Inquiry, without prejudice, non-comital

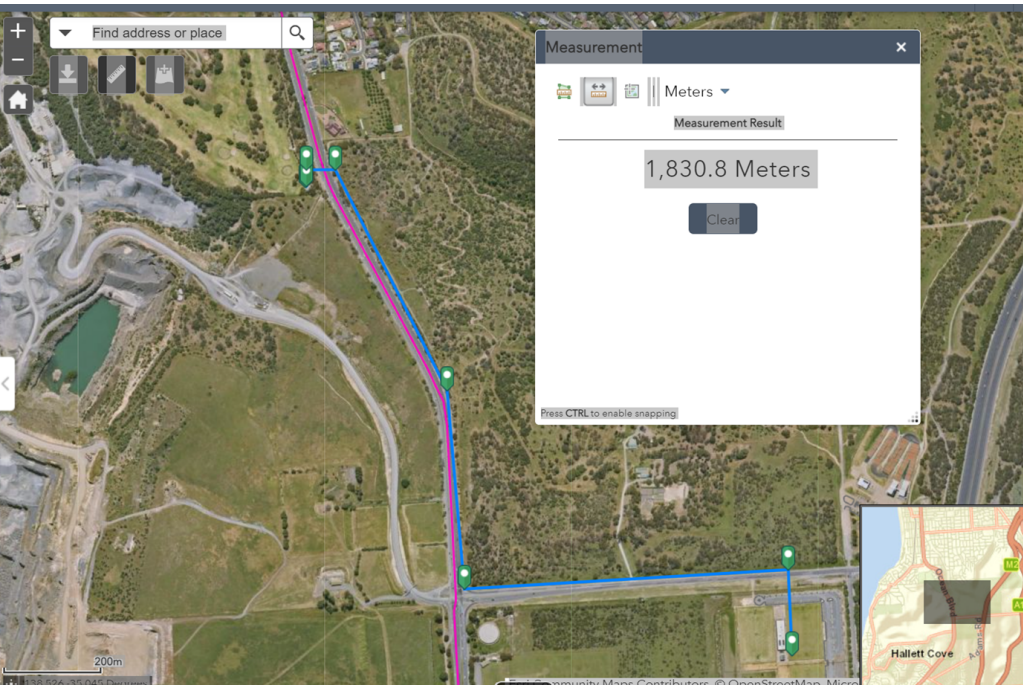
Summary Consolidated Cost Benefit

The Cities of Marion, Onkaparinga along with the Eastern Regional Authority are seeking to understand if an entitlement return of circa \$15,618 per ML of a sufficient volume/price to attract grant funding under the State lead Off Farm Efficient Grant Program? The overall volume is circa 80ML p/a, with a combined capex cost of \$1.28M

Operator	Capex Grant Contribution	Opex	ML of potable displaced	Cost per ML
ERA	\$220,000	Council to pay	15	\$14,666
Onkaparinga	\$660,000	Council to pay	35	\$18,857
Marion	\$400,000	Council to pay	30	\$13,333
			Average \$/ML	\$15,618

City of Marion (high level proposal, based on schematic/concepts)

The City of Marion is investigating extending the main distribution pipe from the top tank on the Golf Club to the buffer tank located on the new soccer ground at Majors Road, Map 1. The distance is 1.8KM, the estimated capital costs for pipe and a pump set is \$350K.



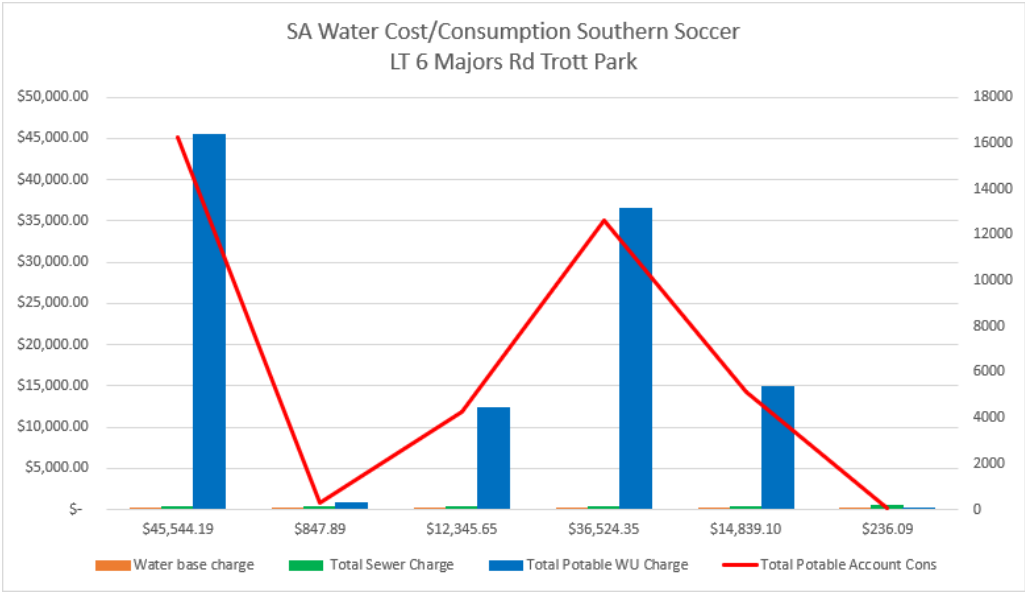
Water Usage

The new soccer pitches on Majors Road are the primary demand for this network extension/grant proposal. Currently there are 3 pitches, however, CoM is intending to build a 4th shortly. In addition, the network is being extended in the near future to service the Seacliff Park development, but this is new water and considered an opportunity hence not used in the basic value for money assessment below.

Value for Money

The estimated demand for potable water displacement is 30ML p/a. Capex is estimated at \$400,000. Hence off set efficiency for off farm efficiency assessment is \$13,333 per ML

Fig 1 Existing Potable Usage/Charge



ERA Proposal (high level proposal, based on schematic/concepts)

During the millennium drought in the early 2000's, the South Australian State Government's Water for Good plan included the concept of waterproofing Adelaide by diversifying the sources of water available in the Adelaide region. From this, came Waterproofing the East and similar plans for the western, southern and northern suburbs of Adelaide. From this initiative, ERA Water was born.

Eastern Region Alliance Water (ERA Water) is a joint venture between the City of Burnside, the City of Norwood, Payneham & St Peters and the Town of Walkerville in the provision of recycled stormwater for use to irrigate reserves and open spaces in the eastern suburbs of Adelaide. ERA Water owns in excess of \$20 million of infrastructure, including over 40km of water distribution pipe, used to capture, treat, store and deliver stormwater to irrigate both Council parks and reserves, as well as areas of privately controlled open space.

ERA Water has been investigating extending the 125mm distribution pipe from Daly Oval in Hectorville to Morialta Secondary College in Rostrevor. The distance is approximately 0.8KM, the estimated capital costs for pipe and related installations is approximately \$250K.

Water Usage

The college has two ovals currently irrigated with potable mains water. There is an opportunity to replace this water source by connecting to ERAW's recycled stormwater.

Value for Money

The estimated demand for potable water displacement at this site varies between 12-15ML p/a. Capex is estimated at approximately \$220,000. Hence the estimated off set efficiency for off farm efficiency assessment is \$18,333-14,666 per ML.

City of Onkaparinga (high level proposal, based on schematic/concepts)

Originally constructed in response to the drought as part of the Waterproofing the South Project in the mid2000, the City of Onkaparinga's Water Business Unit (WBU) was established to provide increased water security for Southern Adelaide, for irrigation of public open space, Sportsgrounds, and schools. The Hart Road Stormwater Harvesting NAR Scheme is situated in Aldinga Beach and is currently operating at capacity, with only one operational ASR bore. The construction of an additional well at Hart Road will allow us to increase supply capacity in a portion of the scheme where there is approximately 35 ML of unmet demand. The approximate cost for a new well and bore infrastructure is \$500k. The distribution network traverses to each of the potential demand locations, however it is anticipated that a further \$150k is required to connect the recycled water network to each of the existing irrigation systems.

Table 1. Current Supply.

	IPOS Annual Irrigation Demand Estimate (kL)	Projected annual billing (@ 80% 2023/24 potable water charge) \$2.43kL	Comments								
Hart Road / Aldinga											
Symonds Reserve	5,772	\$14,025.96									
Emerald Bvd Reserve	2,323	\$5,644.89									
Rowley Rd	120	\$291.60									
Aldinga Hockey	4,200	\$10,206.00									
Aldinga Soccer	4,250	\$10,327.50									
Aldinga Croquet	630	\$1,530.90									
Aldinga Bay Bowling Club	1,600	\$3,888.00									
Aldinga Football	7,500	\$18,225.00									
Aldinga Payinthe College	15,000	\$36,450.00	Currently only able to supply - 50% (15,000kL) of their supply requirements.								
	41,395	\$100,589.85									

Table 2. Increased Supply Demand.

	IPOS Annual Irrigation Demand Estimate (kL)	Projected annual billing (@ 80% 2023/24 potable water charge) \$2.43kL	Comments							
Hart Road / Aldinga										
Dolphin Bvd Reserve	945	\$2,296.35								
Bayside Ave Reserve	2,800	\$6,804.00								
Casuarina Ave	180	\$437.40								
Jacaranda Reserve	2,267	\$5,508.81								
John Nicholl Reserve	1,225	\$2,976.75								
Nicholl Ave Reserve	1,840	\$4,471.20								
Aldinga Primary R-7	8,600	\$20,898.00								
Aldinga Payinthe College	15,000	\$36,450.00	Currently only able to supply - 50% (15,000kL) of their supply requirements.							
	32,857	\$79,842.51								

Table 3. Total Supply Demand.

	IPOS Annual Irrigation Demand Estimate (kL)	Projected annual billing (@ 80% 2023/24 potable water charge) \$2.43kL	Comments							
Hart Road / Aldinga										
Symonds Reserve	5,772	\$14,025.96								
Emerald Bvd Reserve	2,323	\$5,644.89								
Rowley Rd	120	\$291.60								
Dolphin Bvd Reserve	945	\$2,296.35								
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John Nicholl Reserve	1,225	\$2,976.75								
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Aldinga Hockey	4,200	\$10,206.00								
Aldinga Soccer	4,250	\$10,327.50								
Aldinga Croquet	630	\$1,530.90								
Aldinga Bay Bowling Club	1,600	\$3,888.00								
Aldinga Football	7,500	\$18,225.00								
Aldinga Primary R-7	8,600	\$20,898.00								
Aldinga Payinthe College	30,000	\$72,900.00	Currently only able to supply - 50% (15,000kL) of their supply requirements.							
	74,252	\$180,432.36								

Water Usage

Currently the reserves and schools shown in Table 2 receive their irrigation requirements from SA Water or in the case of the Aldinga Payinthe College supplement their total irrigation requirements with SA water potable water supply.

Value for Money

The estimated demand for potable water displacement across equates to approximately 35 ML p/a. Capex is estimated at \$650,000. Hence an offset efficiency for off farm efficiency assessment equals \$18,857 per ML.

MARION WATER BUSINESS

Infrastructure and Environment Committee

Tuesday 9 July 2024



Agenda

- **4 Year Strategy Update**
- **Operational Update**
- **Seacliff and Flinders Link Extension Project**
- **Marion Water Finance update**
- **Majors Road Soccer Network Expansion, possible Grant Opportunity**
- **Any other business**

A great place to live

Marion Water Business Plan Water for our Future

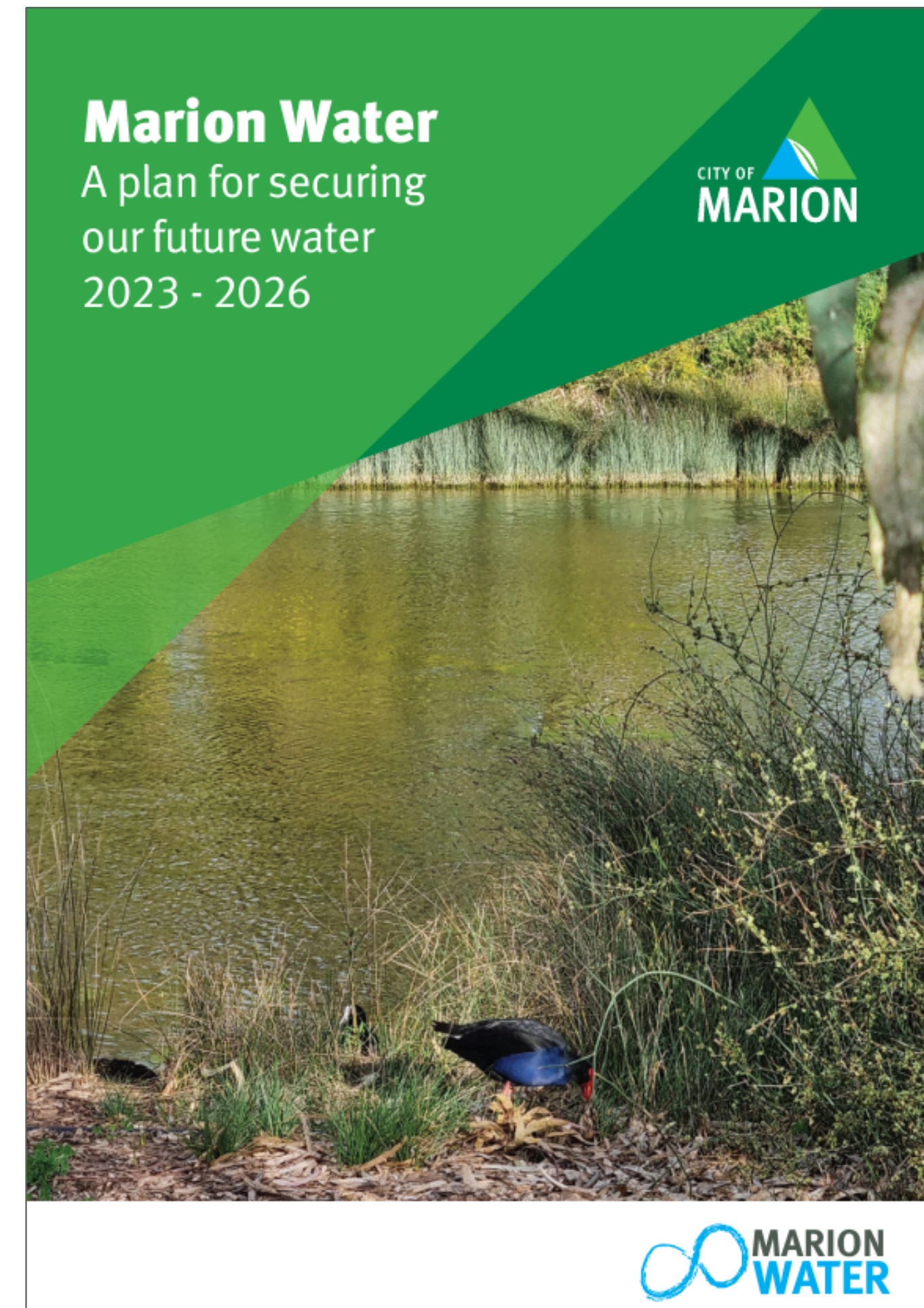
Our Vision

On behalf of our residents and customers is to develop Marion Water into a self-sustaining business unit, that delivers environmental, financial, social and recreational benefits.

Priorities

By servicing our own water demands within the City of Marion 1st where it is economically viable to do so and then seek to supply surplus water to 3rd parties, at no net cost to our ratepayers.

A great place to live



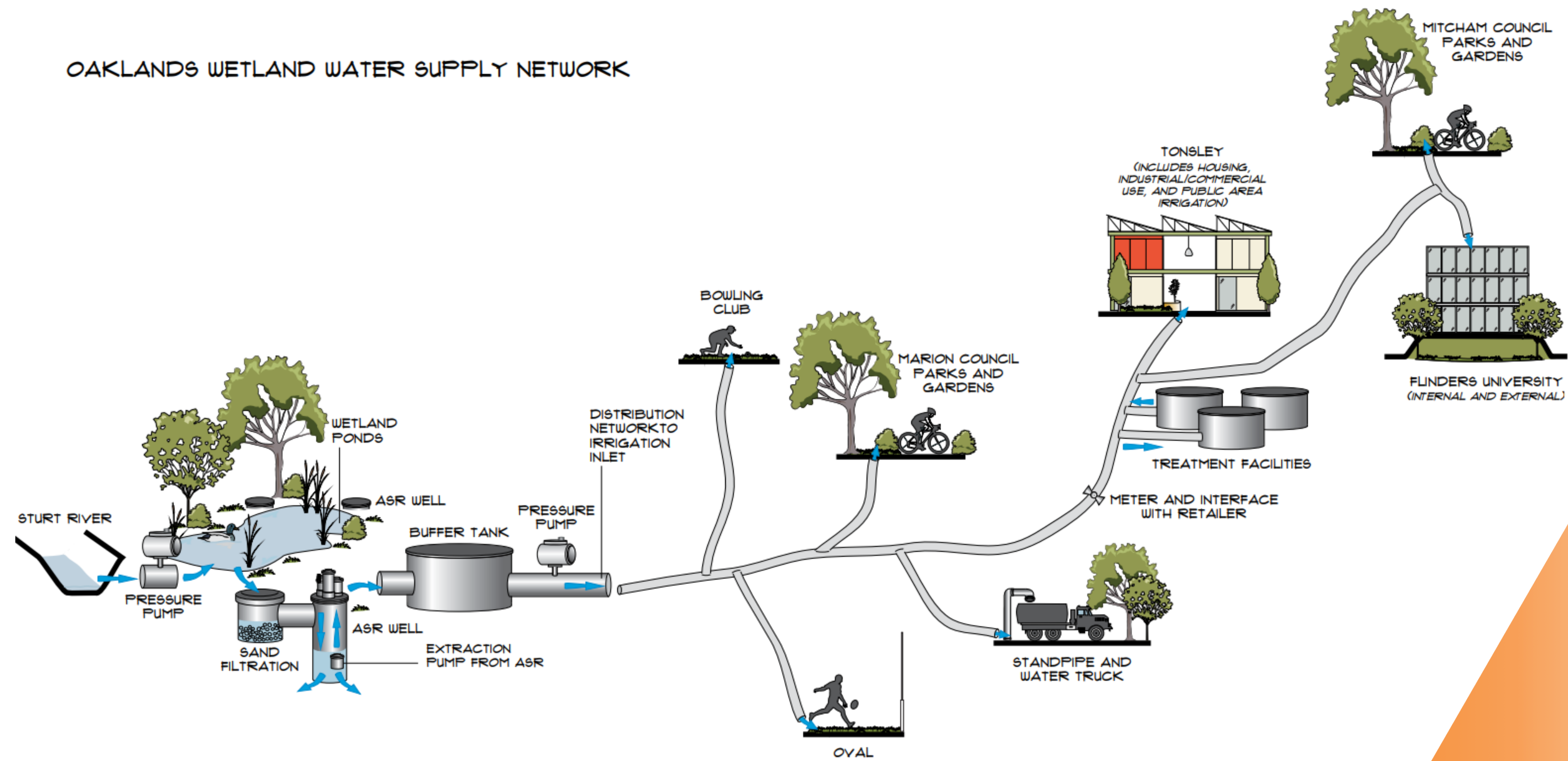
4 Year Strategic Plan



A great place to *live*

How it works

OAKLANDS WETLAND WATER SUPPLY NETWORK



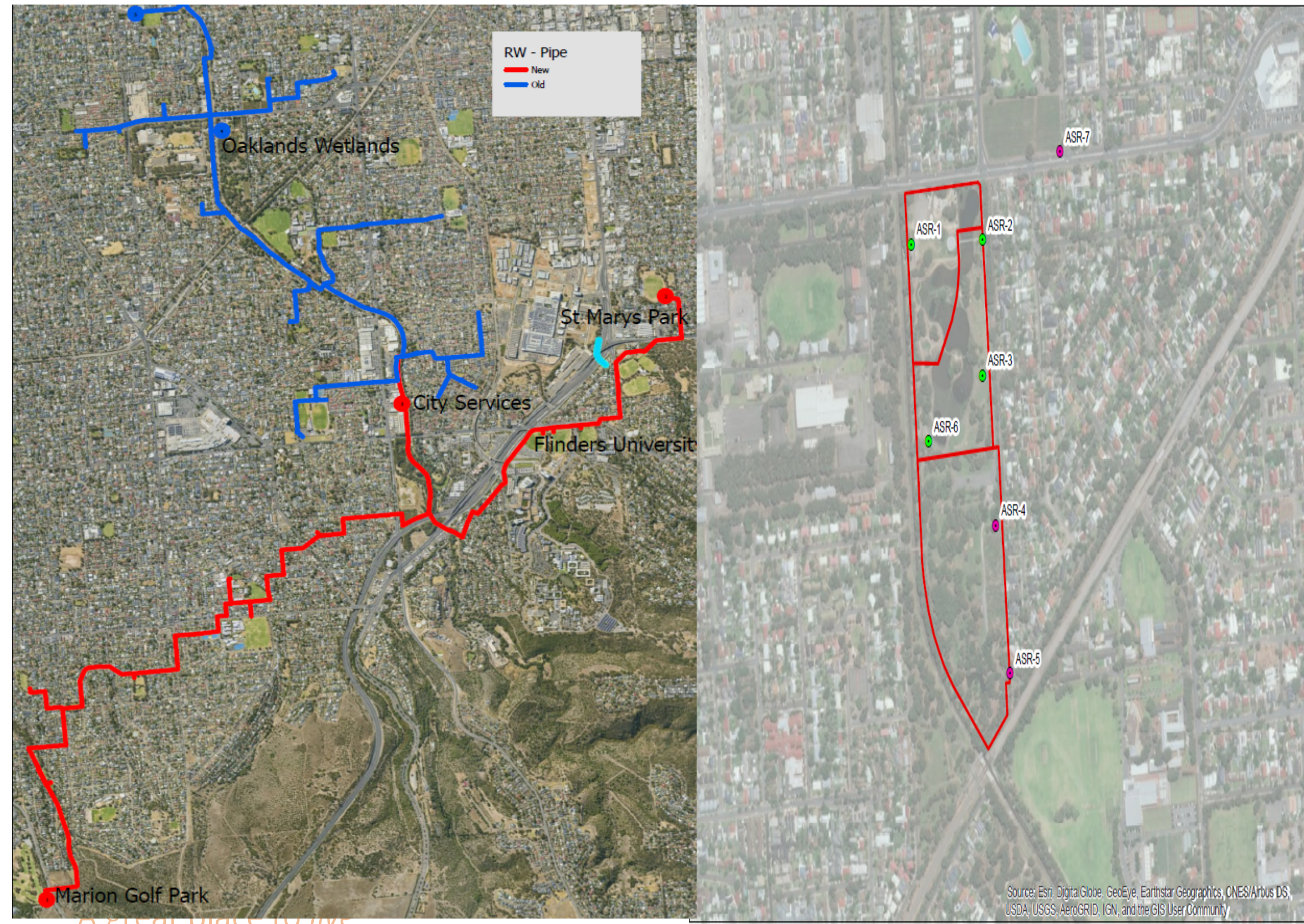
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Operational Update

- ASR 3 experienced low groundwater level
- Injected 153ML (2023/24)
- Have extracted 159ML this season (target 250ML).
- Office of Sport and Racing/Dept of Education sites recently connected, Contracts drafted by Crown Solicitors office
- Villawood/Clean Peak update
- Workshop with DEW in July to discuss price of unallocated water
- Continuing to engage with Resilient Water Futures Team via MAR User Group

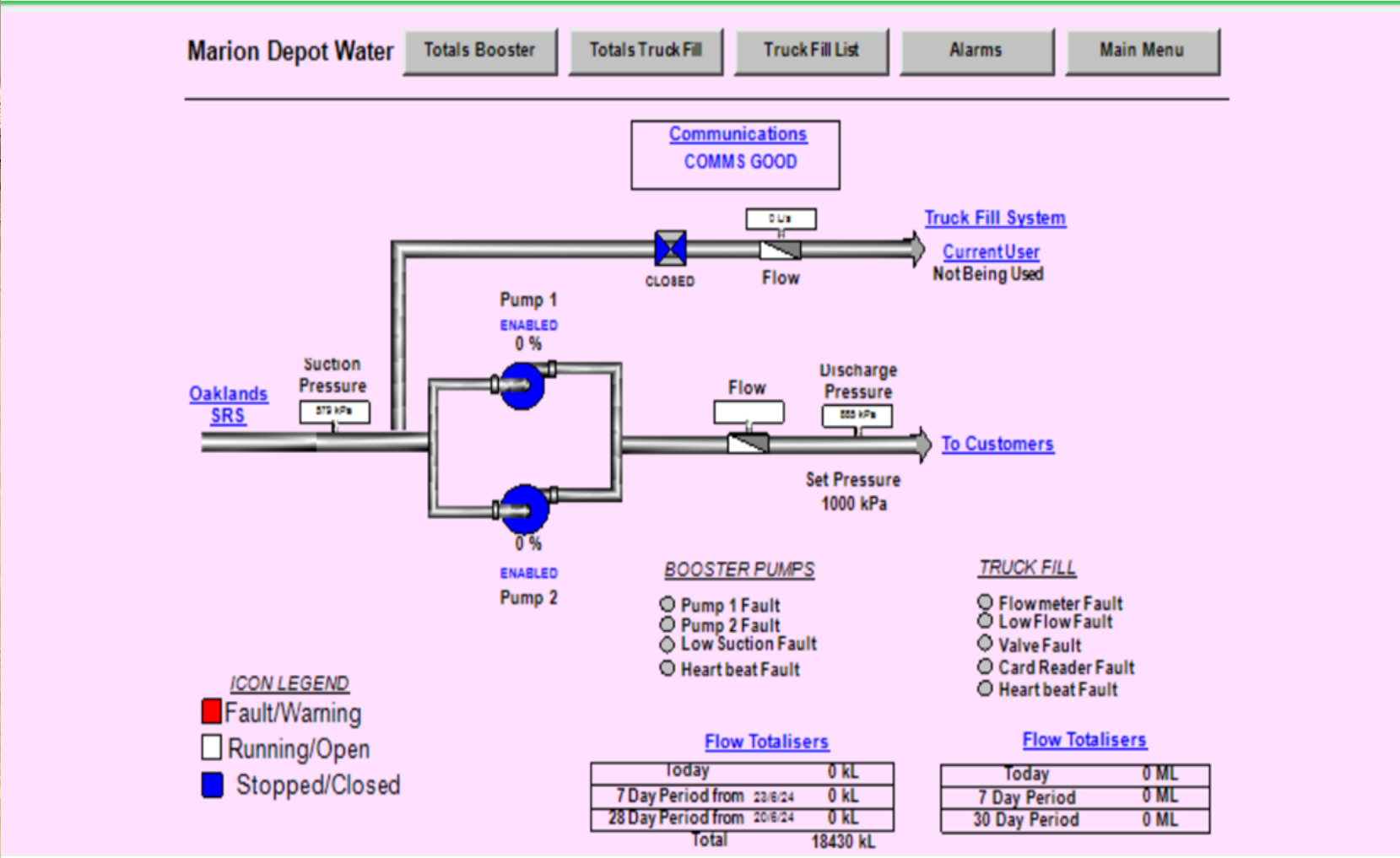
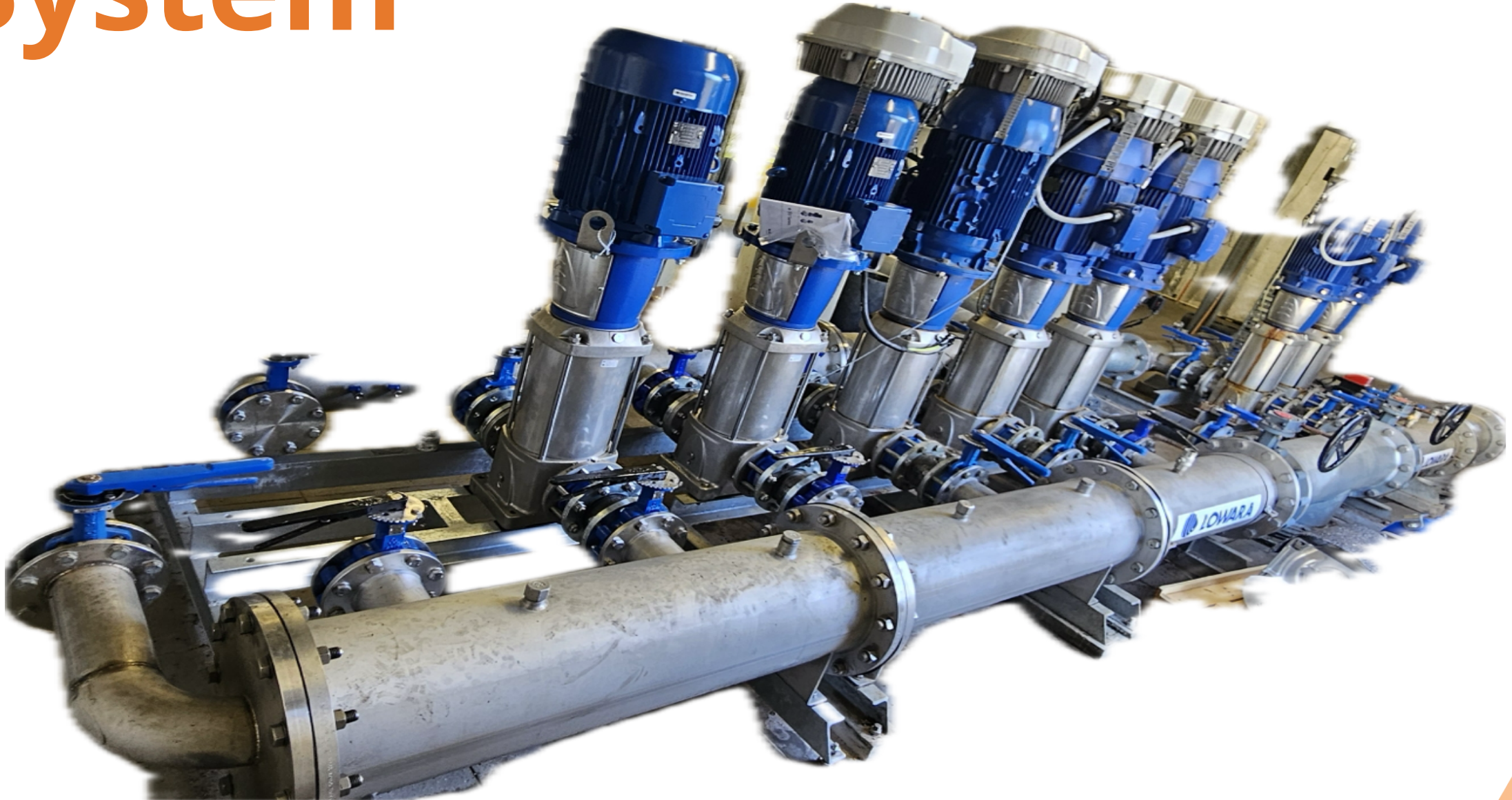
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Expansion Project Update



- ASR 5 Injection/Extraction (provides additional 20% capacity)
- Final Report to DEW end of July
- All pumps, controls and pressure monitoring fully commissioned
- \$5.6M Expansion Project Complete (time/quality/cost)
- 250ML p/a Business Unit

New Pumps Control System



Where does it go?

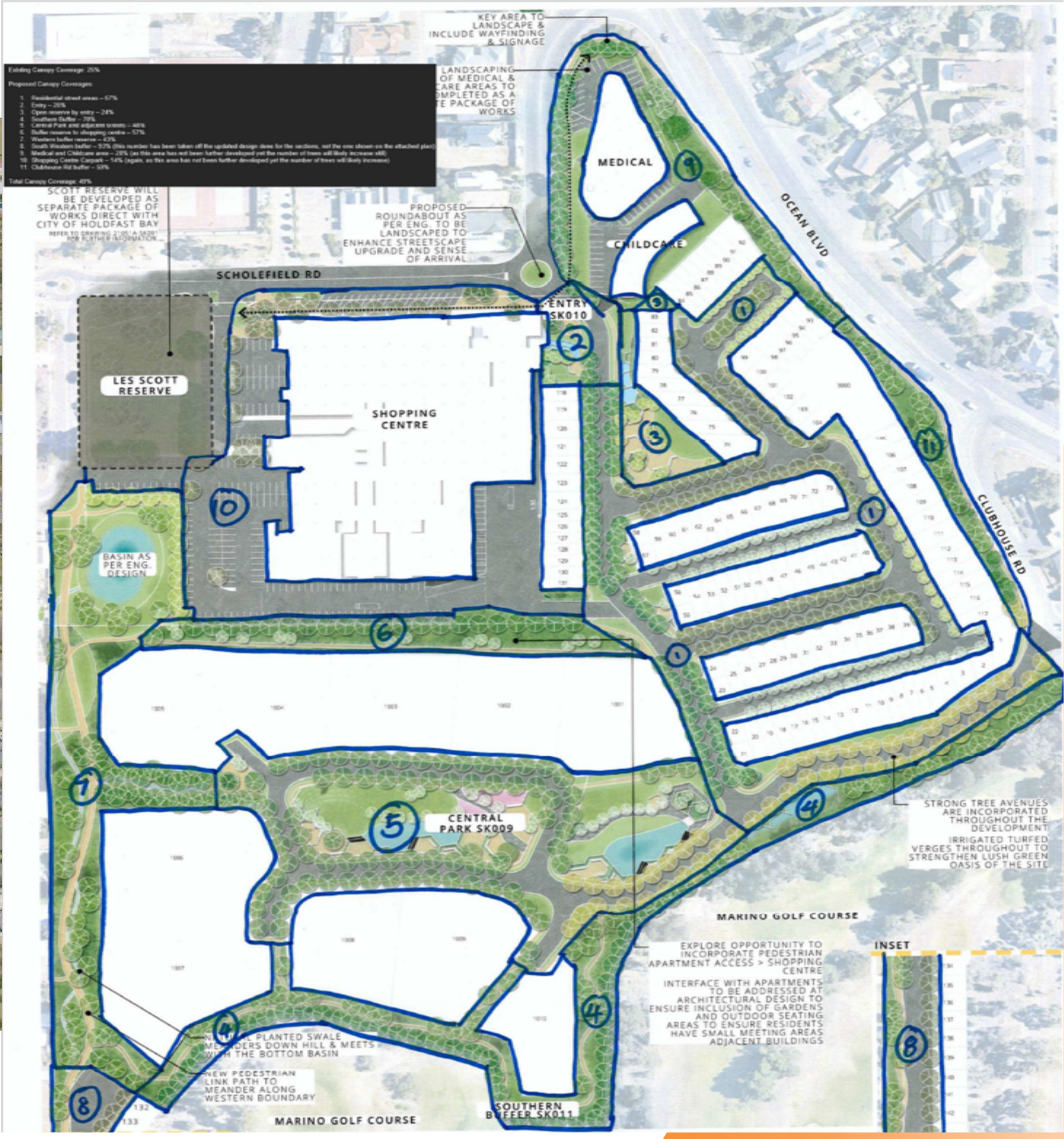
Site	Area (ha)	TQVS	Av. ET. Av. rain (ML/a)	High ET Low rain (ML/a)
Brolga Place Reserve	1.88	4	6.21	9.57
Cadell Avenue Reserve	2.46	4	8.13	12.52
Darlington Primary School	1.46	3	4.82	7.43
Gully Road North Reserve	1.97	4	6.51	10.02
Gully Road South Reserve	3.00	4	9.91	15.25
St Mary Oval	2.68	4	8.85	13.64
Mitchell Street Reserve	0.86	4	2.86	4.40
Ramsay Avenue Reserve	0.38	4	1.26	1.93
RSL Bowling Club	0.61	4	2.02	3.10
Seacliff Primary School	0.55	3	1.82	2.80
Seaview Downs Primary School	1.69	3	5.58	8.6
Seaview High School	3.53	3	11.66	17.96
Susan Grace Benny Reserve	1.47	4	4.86	7.48
Women’s Memorial Playing Fields	5.00	2	30.00	46.17*
Flinders University Sports Fields	5.10	2	32.00	49.12*
Sturt Oval (Flinders University Sturt Precinct)	1.43	2	7.00	10.75*
Total	34.07		143.49	220.74
Opportunistic sites				
Riverside Reserve			2	
Seacliff Villawood Development			12 over several years	
Connection for Mitcham/DIT Water trucks/Seacliff			???	
Alawoona and Streetscapes			5	

TOTAL = 143ML

Seacliff Development



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Cost Comparative Analysis (from 1st July 2024)

Entity	Connection Charge	Annual fee	Untreated	Treated	% SA Water/cost recovery
ERA irrigation only	Unknown	\$296.80	\$2.88- \$2.56		% SA Water
City of Onkaparinga Irrigation only	As part of capex	\$0	\$2.57		% SA Water
City of Marion	As part of capex	\$0	\$2.43	\$3.05 <i>Subject to further investigation</i>	Cost Recovery
City of Playford (mixed sourced irrigation only)	As part of capex	\$213.18	\$2.88		Cost Recovery
City of Charles Sturt (mixed supply)	\$900 residential only, as part of capex	\$55 residential only	\$2.14 - \$2.45	\$2.35	Cost Recovery
City of Salisbury (mixed supply)	Unknown	\$40 residential only	\$3.03	\$3.03	Cost Recovery
			Usage	Rate	
SA Water		\$296.80	0-384 k/L	\$2.25	Cost Recovery
			384 -1424 k/L	\$3.214	Cost Recovery
			1424 k/L and above	\$3.48	Cost Recovery

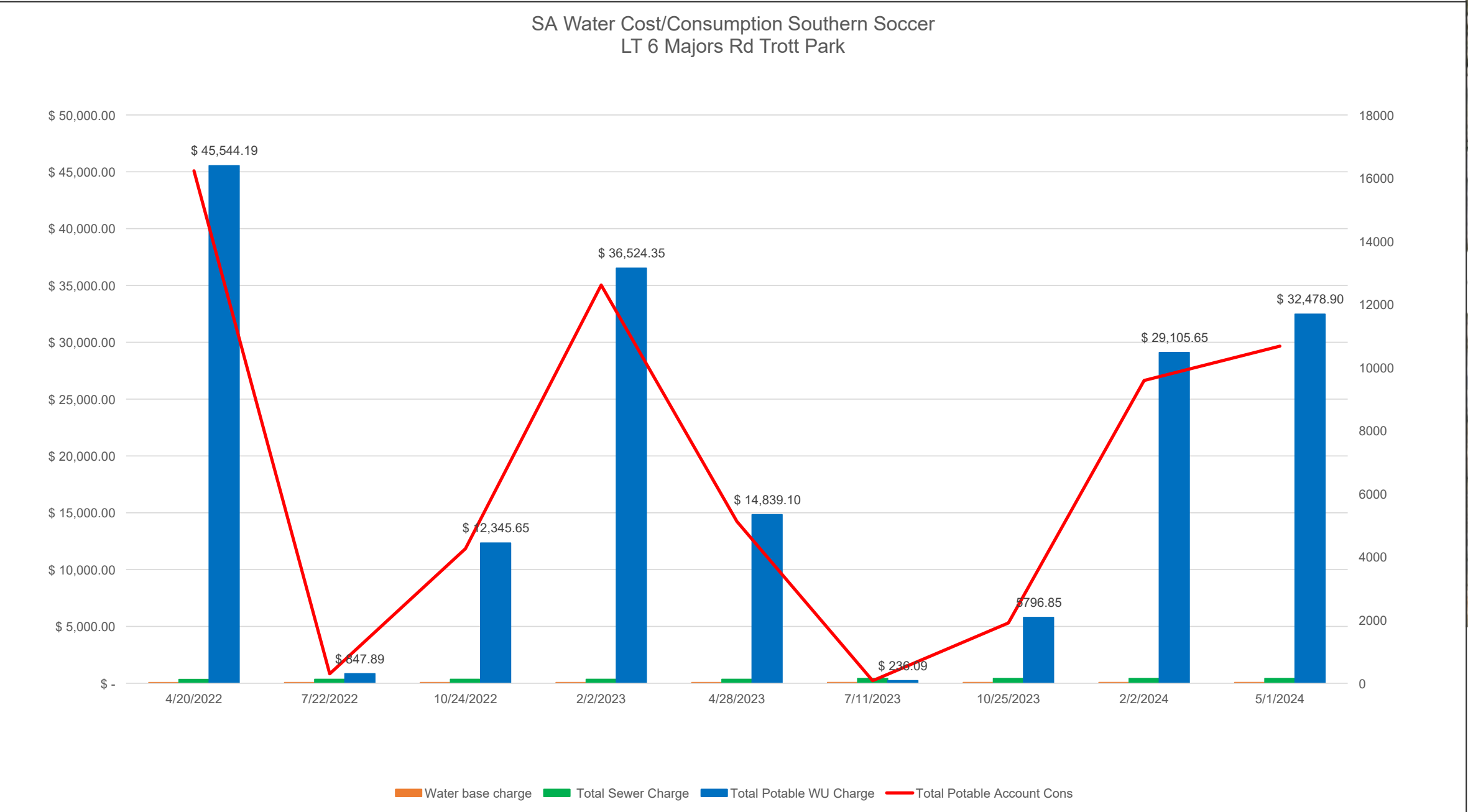
Marion Water - Year 1 Key Metrics (23/24)

Demand	Actual Revenue	Year 1 Predicted
Internal	\$277,814	\$375,000
3 rd Parties	\$134,000	\$195,000
TOTAL	\$411,814	\$570,000

Water banked	Value
700ML (rolling 10-year average)	\$1.645M

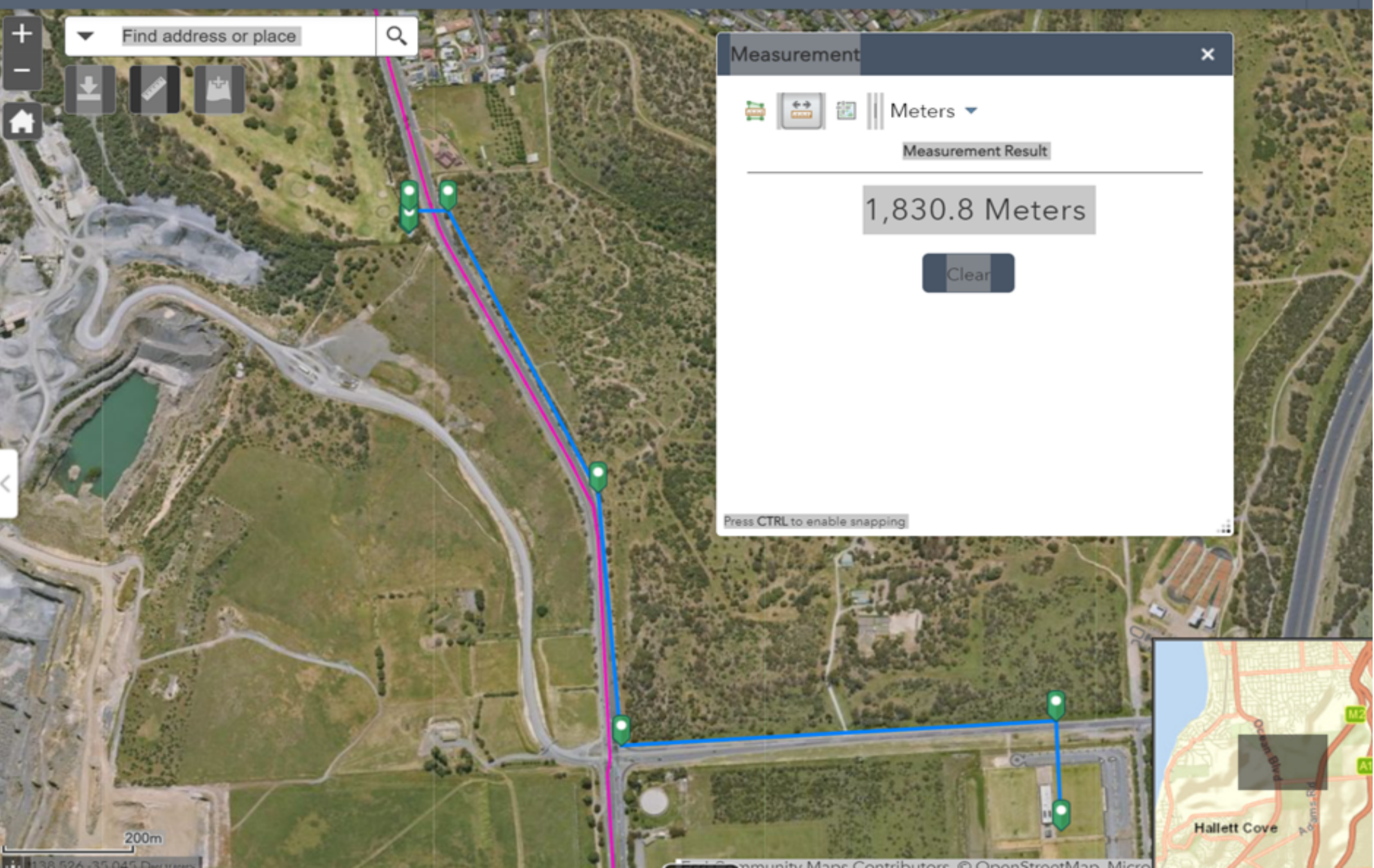
Total Capital Cost	Total Operational Cost
\$5.6M (\$1.739M Grant)	\$250,000

Majors Road Soccer



We have used \$178,000 of water
If we had used Marion Water savings = ~ \$50K.

Scenario	Untreated \$k/L
3 pitches (with grant)	2.43
4 pitches (with grant)	2.38
3 pitches (without grant)	2.5
4 pitches (without grant)	2.45



- Application is to DEW not Feds
- Requires Council Resolution to apply
- Capital Expenditure estimated at \$440K
- Water value \$13k per ML (less than last time)
- Estimate 25ML (3 pitches) = \$325,000 Grant (4th pitch \$390,000 Grant)

Grant Summary

City of Marion is seeking to understand if an entitlement return of circa \$15,618 per ML (combined) is a sufficient volume/price to attract grant funding under the State lead Resilient Rivers Grant Program?

Operator	Capital Expenditure Grant Contribution	Operational Expenditure	ML of potable displaced	Cost per ML
Eastern Regional Authority (ERA)	\$220,000	Councils to pay	15	\$14,666
City of Onkaparinga	\$660,000	Council to pay	35	\$18,857
City of Marion	\$325,000 - 390,000	Council to pay	25-35	\$13,333
			75-85 ML	\$15,618 (average)

8 Reports for Noting - Nil**9 Workshop / Presentation Items - Nil****10 Other Business****11 Meeting Closure**

The meeting shall conclude on or before 9.30pm unless there is a specific motion adopted at the meeting to continue beyond that time.