

**MINUTES OF THE INFRASTRUCTURE AND STRATEGY COMMITTEE
HELD AT ADMINISTRATION CENTRE
245 STURT ROAD, STURT
ON TUESDAY 3 APRIL 2018**



PRESENT

Elected Members

Councillor Luke Hutchinson (*Presiding Member*), Councillor Tim Pfeiffer, Councillor Nathan Prior, Councillor Tim Gard and Councillor Bruce Hull

His Worship the Mayor Kris Hanna

Independent Member

Mr Christian Reynolds

In Attendance

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| Councillor | Janet Byram |
| Councillor | Raelene Telfer |
| Councillor | Ian Crossland |
| Councillor | Jason Veliskou |
| Mr Adrian Skull | Chief Executive Officer |
| Ms Abby Dickson | General Manager City Development |
| Mr Tony Lines | General Manager City Services |
| Ms Fiona Harvey | Manager Innovation and Strategy |
| Ms Kate McKenzie | Manager Governance |
| Mr Greg Salmon | Manager City Activation |
| Mr Mathew Allen | Manager Engineering and Field Services |
| Mr Adam Gray | LED Streetlighting project, Engineering and Field Services |
| Ms Ann Gibbons | Environmental Sustainability Manager, Innovation and Strategy |
| Ms Rebecca Neumann | Senior Environmental Planner, Innovation and Strategy |
| Mr Mark Western | Integrated Coasts (coastal planning consultant) |
| Ms Georgie Johnson | Smart Cities Project Officer, Innovation and Strategy |
| Ms Elaine Delgado | Strategy Leader, Innovation and Strategy (minute taker) |

1. OPEN MEETING

The meeting commenced at 6.31pm.

2. KAURNA ACKNOWLEDGEMENT

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

3. MEMBERS DECLARATION OF INTEREST

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

- No declarations were made.

4. CONFIRMATION OF MINUTES

Moved Cr Pfeiffer, Seconded Mr Reynolds the minutes of the Infrastructure and Strategy Committee Meeting held on 6 March 2018 be taken as read and confirmed.

Carried unanimously

5. BUSINESS ARISING

5.1 Review of the Business Arising from previous meetings of the Infrastructure and Strategy Committee Meetings

- The Business Arising statement was noted.
- Due to local government elections being held in November 2018, the following agenda items proposed for the 6 November 2018 meeting are to be included in the 2 October 2018 schedule of items:
 - Capital. Construction – Quarterly Update
 - Infrastructure Projects Update

Action: Reschedule the 6 November 2018 Committee meeting agenda items to the 2 October 2018 meeting.

6. REPORTS FOR NOTING

Nil

7. CONFIDENTIAL ITEMS

Nil

8. REPORTS FOR DISCUSSION

**6.40pm Oaklands Wetlands Water Supply
Report Reference: ISC030418R8.1**

Mr Ricketts, Water Resources Coordinator, provided a project update with the following points noted:

- The project is a stormwater reuse scheme to reduce the reliance on mains water primarily for council-owned properties with surplus water used by third parties
- 31 council owned and third party sites are using water from the wetlands
- The wetlands has capacity for treating 400 megalitres of water
- It was reported that 25% of green energy is used to operate the smart pumping system, this was questioned and further clarity will be provided
- The use of wind to supplement the power supply has been investigated but not currently viable
- The City of Marion currently has sufficient water to meet demand through both north and south pipelines
- There is potential for the installation of solar power in council-owned co-located sites to provide an additional power source for the pumping system. An analysis will be undertaken and reported back to Council.
- Water is currently used for purposes such as greening reserves, street trees, Darlington Upgrade Project, cleaning of public transport buses, and water is offered to some sports clubs at minimal cost.
- There is potential for an exponential increase in future demand for water at the Tonsley and Flinders project sites which would require additional infrastructure
- A detailed agreement is required to finalise water supply arrangements with Tonsley
- Water supply options for Tonsley for industrial/commercial/domestic use included:
 - SA Water to supply gap water direct
 - SA Water/City of Marion partnership
 - City of Marion/3rd party partnership (currently the preferred model and under financial assessment)
 - City of Marion to supply Tonsley
- It is important that Council ensures streamflow issues are appropriately addressed for the benefit of all stakeholders in the event of insufficient rainfall
- The wetlands currently has 4 wells with a potential for new wells in future if legislation permits
- Council is liaising with water regulators to ensure ongoing water security
- Any potential for contamination is monitored and managed operationally through environmental licences, and a research project is being undertaken
- Modelling is being undertaken to future-proof the system that includes:
 - A hydrogeological review from 500ML to 700ML
 - Extraction from 172ML to 700ML
 - Introduction of Water Allocation Plan
 - Essential Services Commission of SA price review
 - Office of the Technical Regulator require Safety Management Reliability Technical Management Plan
 - Department of Health testing
- Future opportunities for the use of Oaklands Wetland water could include:
 - Darlington Upgrade site
 - Oaklands rail crossing
 - Flinders Link corridor
 - Oaklands Park residential redevelopment precinct
 - Local schools
 - City of Mitcham
 - City of Marion vehicles

Action: An analysis of the potential for the installation of solar power in council-owned co-located sites to be presented to Council

9. WORKSHOP

8.27pm Smart Cities Opportunities Report Reference: ISC030418R9.1

9.1 Smart Cities Opportunities

Ms Harvey introduced Mr Adam Gray who is developing a Smart City Framework for the City of Marion. Mr Gray provided an overview of Smart City opportunities and invited comments from members on key considerations and potential short-term Smart City projects in addition to those currently being undertaken. The following comments were made:

- Development of a framework is critical to ensure an understanding of current and future problems to ensure that Smart City projects to identify solutions that are targeted
- Risk management is essential in gathering, using and monitoring 'big data' and 'open data'
- Collaborative and targeted partnerships, at federal, state and local government levels and with the private sector, are critical to successful Smart City project planning and implementation
- It is essential that the Smart City framework to be developed, and resulting projects to be identified, link with council's strategic directions and core business so council is effective and efficient
- Key roles for council are to be aware of federal and state government strategic directions and as a key facilitator of the Internet of Things
- Leadership roles for council in Smart Cities can include collaborative partnership, facilitator, provider, owner, advocate, and governance and data management
- It is important that a Smart Cities approach includes consideration of:
 - Clarity and shared understanding of the problems that council needs to solve to ensure effective and efficient delivery of services to its community, and the role of technology in delivery of these services
 - Consideration of cost/benefit in use of technology to obtain and manage data, and question whether the use of technology the best way to obtain data
 - Continuous improvement
 - Alignment with strategic directions
 - Trialling low risk projects
 - potential projects that are commercially viable
 - Development of new partnerships
 - Embedding innovation across council functions
 - Establishing a leadership group to provide directions on where to apply a Smart Cities approach and to oversee governance
 - Participation in Smart Cities professional development and networks
 - Data security
- Potential short-term Smart Cities projects where installation of technology enables data to be collected to enable continuous improvement could include trials at sites such as:
 - Playgrounds
 - Oaklands Rail Crossing precinct
 - Streets with LED street lighting installed with consideration given to cost/benefit of installation of PE cells concurrently with the LED lighting upgrade
 - Urban activation precincts
 - Tonsley
 - Marion Cultural Centre

- Cove Civic Centre
 - Oaklands Wetland
- Innovation, a concept closely linked with Smart Cities, always has risk and this needs to be considered in council's identification of projects
- Development of a Framework is the foundation of a Smart Cities approach to ensure a shared agreement and understanding
- Council needs to be a 'fast follower' in Smart Cities so early mistakes are avoided and best practice can be adopted so community benefits are maximised
- The development of a matrix with weighted criteria to support council decision-making was discussed as a potential way forward

8.50pm Cr Prior left the meeting
8.53pm Cr Prior returned to the meeting

Recommendations

Moved Cr Pfeiffer, Seconded Cr Prior that the Infrastructure and Strategy Committee:

1. Notes the overview of Smart Cities policy, approaches and programs provided in Appendix 1
2. Participates in a workshop to consider potential priority opportunities for further investigation
3. Recommends a report be provided to General Council in May 2018 that includes a basic Smart City decision-making framework so Council can consider short-term opportunities for funding in 2018-19

Carried unanimously

10. PRESENTATION

8.55pm Coastal Management Plan Report Reference: ISC030418R10.1

Ms Neumann introduced Mr Western who provided a presentation and progress report on the development of the Marion Coastal Management Plan. The following points were made:

- There are three underlying principles for coastal adaptation:
 1. It is a local endeavour as local elements impact on the coastal environment, such as housing density, vegetation, ageing infrastructure, type of coast, etc.
 2. It needs to occur over a long period of time, such as 100-200 years. The process includes establishment of a digital baseline for factors such as erosion; scenario analysis re risks and vulnerabilities that are plausible futures; monitoring locally and regionally
 3. It should initially be 'data driven' to establish the physical reality, followed by community consultation to identify community values within that context

- The coastal scoping study comprises two phases:
 - Phase 1 – completed in November 2017 included partition of the coastline based on geological layout; establishing the context; a tour of the coast; a preliminary risk assessment; and recommendations
 - Phase 2 – to be completed by June 2018 comprises digital modelling of coastline; extreme event analysis; sea-water modelling; analysis of erosion rates; geological review of cliffs in relation to urban development; and a stormwater audit

The following points were made in discussion:

- Members would like to review the outcomes of Phase 2 of the coastal scoping study following its completion in June 2018
- The project team is working with Council's ICT Department re the management of data
- The idea of ocean baths as a feature of the coastline was raised however, this would require further consideration and investigation

Moved, Cr Gard, Seconded Mr Reynolds that the meeting be extended to 9.40pm

The following points were raised as the meeting resumed:

- The project has included working with regional partners, including the City of Onkaparinga who will be using a similar approach for the management of their coastline
- The confluence of stormwater and seawater at the Field River could need further modelling under future climate scenarios however there is no immediate evidence for concern.
- Any management responses to sea level rise have the potential to be costly however being informed by data may mean low-cost early interventions can be made to avoid high cost activities in the future.
- This project forms a key part of Council's response to climate change adaptation as described in the [Resilient South Regional Climate Change Adaptation Plan](#) and [Resilient Southern Region Local Government Implementation Plan 2015-2019](#)
- Referrals to the Coast Protection Board in City of Marion were reviewed and indicate that Council has responded appropriately to advice received.

Actions:

- **The Hallett Cove Coastal Processes Study Report by Doug Lord to be distributed to committee members**
<https://cdn.marion.sa.gov.au/sp/Hallett-Cove-Beach-Coastal-Management-Study-Report.pdf>
- **Information about the Coastal Management Plan, including a video of the 3D coastal imagery be posted on Council's Facebook page.**

Moved Mayor Hanna, Seconded Cr Gard that the Infrastructure and Strategy Committee:

1. Receives a presentation on the Marion Coastal Management Plan and provides feedback on the progress to date and next steps.
2. Notes a draft Marion Coastal Management Plan will be presented to the Committee in June 2018 for consideration.

Carried unanimously

11. ANY OTHER BUSINESS

Nil

12. MEETING CLOSURE

The meeting was declared closed at 9.40pm.

13. NEXT MEETING

The next meeting of the Infrastructure and Strategy Committee will be held at 6.30pm on 1 May 2018 in the Council Chamber, 245 Sturt Road, Sturt.

CONFIRMED

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CHAIRPERSON
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