

Stormwater Management Authority News

February 2023

In This Issue

- **SMA board tours the Nuriootpa Flood Mitigation Project**
- **Outcomes of meeting 79 and 80**
- **SMF Category C funding round open**
- **Round 1 Disaster Ready Fund applications now open**
- **Cooler, Greener, Wilder Grants program open**
- **Smart stormwater detention project**
- **SMA staff lend a hand to the River Murray flood response**
- **Contact us**

SMA board tours the Nuriootpa Flood Mitigation Project

On 12 December 2022 the Stormwater Management Authority board visited the Barossa Valley and toured the Nuriootpa Flood Mitigation Project which provides flood protection to the Nuriootpa township along the North Para River, with the use of permanent and demountable flood barriers.

Coupled with a flood warning system and permanent barriers, in-situ demountable barriers allow flood protection to be quickly put in place during higher flow events, with no specialist skills required.

The board were impressed by the practicality and aesthetics of the system, which has been deployed on several occasions and has proven to be an effective flood protection system for the township. For further information please contact Steven Kaesler at the Barossa Council on 8563 8473.



1 - The flood protection wall in Nuriootpa.



2 - The Authority board are briefed by Stephen Kaesler from the Barossa Council.



3 - The demountable barriers are easy to put in place.



4 - Road crossing in Nuriootpa where the demountable barriers can be put in place.



5 - A flood protection barrier gate which is closed during higher river flows.

Outcomes of Meeting 79 and 80



Outcomes of meeting 79

The board of the Stormwater Management Authority met on 12 December 2022 in the Barossa Valley.

Key outcomes of the meeting were:

- The board discussed the submission to the Planning System Implementation Review expert panel and received updates on the Stormwater Expert Panel and the development of a stormwater management cost benefit framework, the Brown Hill Keswick Creek Stormwater Project and the Gawler River Flood Mitigation Program.
- The board was briefed on the status of drainage and flood studies across the Brown Hill and Keswick Creeks urban catchment.
- The board was briefed on the report of the recent NSW Flood Inquiry.
- The board noted the final report 'Review of Stormwater Management Integration with Natural Resources Management and Catchment Planning, South Australia' and the final report 'Integrating Stormwater Management and the Planning System: Findings Report'.

Outcomes of meeting 80

The board of the Stormwater Management Authority met on 9 February 2023 in Adelaide.

Key outcomes of the meeting were:

- The board approved the Draft Stormwater Management Authority Strategic Plan 2023-2032 which will now be considered by the Minister and LGA.
- The board noted a paper on the implementation status of approved stormwater management plans.
- The board approved grant funding for the Torrens Urban North East Stormwater Management Plan.
- The Technical Advisor presented on the River Murray flood 2022/2023.

SMF Category C Funding Round Open



The Stormwater Management Authority is now calling for applications for funding for capital works projects under the Stormwater Management Fund. Up to 50% of costs will be considered.

Eligible projects include:

- Detailed design of civil works
- Construction of civil works
- Land acquisition

Projects should be consistent with approved Stormwater Management Plans. Projects not consistent with an approved stormwater management plan will only be considered if there are demonstrated exceptional circumstances.

For further information see the Stormwater Management Authority website www.sma.sa.gov.au

[Stormwater Management Fund Guide for Applicants](#)

[Application form](#)

Applications close 5pm, 7 April 2023.

Applicants are strongly encouraged to discuss proposals with SMA staff prior to developing an application for funding.

Contact: (08) 8124 4740

Email: sma@sa.gov.au

Round 1 Disaster Ready Fund applications now open



On 10 January 2023, the National Emergency Management Agency (NEMA) opened applications for the Disaster Ready Fund (DRF). The DRF is the Australian Government's flagship disaster risk reduction initiative which will fund a diverse set of projects to deliver medium and long-term outcomes that support Australians to manage the physical, social and economic impacts of disasters caused by climate change and other natural hazards.

Eligible project activity types

Stream One: Infrastructure

Stream One projects must fall into one or more of the following categories:

1. Investment in grey infrastructure;
2. Investment in green-blue infrastructure (including nature based solutions);
3. Investment in hazard monitoring infrastructure; and/or
4. Business case development for future infrastructure (including investigation, modelling, concept and detailed design activities).

Stream Two: Systemic risk reduction

Stream Two projects must fall into one or more of the following categories:

1. Supporting a better understanding of risk, through a better evidence base to understand and raise awareness of risk;
2. Strengthening decision making by enhancing governance networks and communities of practice;
3. Adaptation projects that improve land use planning and development practice projects;
4. Projects that build the capacity and capability of businesses, community sector organisations and/or at-risk communities to improve their preparedness and resilience to the impacts of future disasters; and/or
5. Projects that enable and incentivise private investment in disaster risk reduction.

SAFECOM, as the only eligible SA applicant entity, is managing the overarching Application on behalf of the state.

For further information and to submit an application visit [Disaster Ready Fund - SAFECOM](#).

For more information about the SA application process for Round 1 of the Disaster Ready Fund, and to obtain copies of the application documents, please contact safecom.drf@eso.sa.gov.au or phone (08) 8115 3917.

Cooler, Greener, Wilder Grants Program open



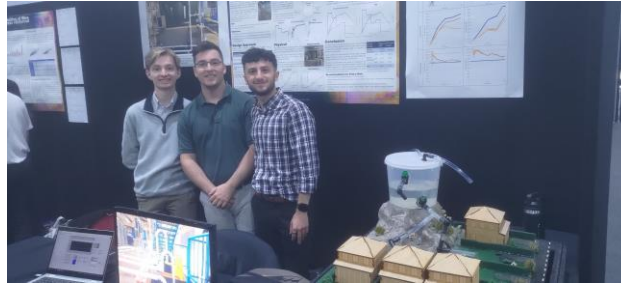
Green Adelaide has opened round 1 of the Cooler, Greener, Wilder Grants Program for local governments. Applications close on Friday 31 March at 5pm.

The Cooler, Greener, Wilder Grants Program for local governments provides support to Adelaide's metropolitan councils to undertake projects that deliver greening outcomes, incorporate water sensitive urban design or biodiversity sensitive urban design principles.

One million dollars is available for councils in the Green Adelaide region to cool or green urban settings with high community usage, at the site, street or precinct scale. Grants of between \$25,000 and \$200,000 are available to local councils, with the expectation that recipients match any funding granted with an equal co-contribution.

For further information and to apply visit: [Cooler, Greener, Wilder Grants Program](#) | [Green Adelaide](#)

Smart stormwater detention project



6 - University of Adelaide students demonstrate the smart tanks concept at Ingenuity 2022.



7 - A 'mini' model of the larger laboratory physical model.

The University of Adelaide, in conjunction with the City of Mitcham and the City of Norwood, Payneham and St Peters, has been working on an SMA-sponsored project investigating the use of 'smart' stormwater detention storages that allow real-time control of stormwater flows.

The project involves both numerical and physical modelling and optimisation of the operation of detention storages to manage peak stormwater flows during rainfall events. While the laboratory physical model is being finished, students Daniel Marchesan, Thomas Oates and Oscar Page demonstrated a 'mini' model at the recent Ingenuity expo.

It is hoped that the modelling can demonstrate a feasible and cost-effective solution to flooding problems in two 'real world' catchments in Pasadena (City of Mitcham) and 'Trinity Valley' (City of Norwood, Payneham and St Peters).

To learn more, contact Dr Mark Thyer by email: mark.thyer@adelaide.edu.au.

SMA staff lend a hand to the River Murray flood response

The flooding of the River Murray in the summer of 2022/23 is likely to be recorded as the largest natural disaster in South Australian history.

SMA staff assisted in the emergency response, providing hydrological advice to the South Australian State Emergency Service (SA SES) as part of the Department for Environment and Water, Hydrology Support Team. Both David Trebilcock (SMA General Manager) and Belinda Skilton (Technical Advisor) were deployed to the SA SES State Control Centre, Incident Management Team and also assisted with

co-ordination of the Hydrology Support Team and the development of advice products provided to the SES.

The emergency response to this natural disaster has involved a huge effort from all tiers of government. Our local government partners are at the core of the response and will be key players in the recovery effort. The thoughts of the SMA staff and Board remain with those community members affected and those continuing to work to support these communities.



8 - Belinda Skilton wearing the duty hydrologist tabard, working in the SA SES State Control Centre, Incident Management Team.

Contact Us



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Visit us on the web at www.sma.sa.gov.au.

The [Stormwater Management Authority](http://www.sma.sa.gov.au) (SMA) is a partnership between the Government of South Australia and the Local Government Association of South Australia. The SMA operates under the [Local Government \(Stormwater Management Agreement\) Amendment Act 2016](#) and comprises a nine-member board appointed by the Minister for Climate, Environment and Water. The board meets bi-monthly.