



BUSINESS PAPER

EXTRAORDINARY MEETING

Monday 13 February 2023

08:30am

Council Chambers

COUNCIL'S VISION

To build and maintain sustainable communities while retaining the region's natural beauty.

COUNCIL'S MISSION

To provide services and facilities to enhance the quality of life and economic viability within the Council area.

COUNCIL'S AIMS

To perform services in a cost efficient, effective and friendly manner in order to achieve Council's Mission in meeting the annual objectives and performance targets of the principal activities Council undertakes on behalf of the community.

EXTRAORDINARY MEETING OF COUNCIL

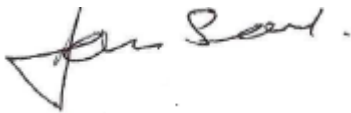
The following items are submitted for consideration -

| | | |
|----------|--|----------|
| 1 | INFRASTRUCTURE DEPARTMENT | 4 |
| 1.1 | Disaster Ready Grant Application Round One for Gunning Stormwater Upgrades and Flood Warning System | 5 |

Request for an Extraordinary Meeting – 7 February 2023

I, Councillor John Searl and I, Councillor Lauren Woodbridge, in accordance with the Upper Lachlan Shire Councils Code of Meeting Practice, request the Mayor call an Extraordinary Meeting of Council to be held on Monday, 13 February 2023, at 8:30am, in the Crookwell Council Chambers.

The Extraordinary Meeting of Council shall deal only with Councillors considering funding proposed to be applied to assist with Gunning Storm water Upgrades and flood warning system.



Cr J Searl
7 February 2023



Cr L Woodbridge
7 February 2023

1 INFRASTRUCTURE DEPARTMENT

The following item is submitted for consideration -

- | | | |
|-----|---|---|
| 1.1 | Disaster Ready Grant Application Round One for Gunning Stormwater Upgrades and Flood Warning System | 5 |
|-----|---|---|

Infrastructure Department - 13 February 2023

ITEM 1.1 **Disaster Ready Grant Application Round One for Gunning Stormwater Upgrades and Flood Warning System**

FILE REFERENCE **I23/40**

AUTHOR **Director of Infrastructure**

ISSUE

Council have an opportunity to apply for Disaster Ready Grant Application Round One. The deadline for this grant is 14 February 2023. A Council resolution is required to commit budget for the co-contribution towards the grant application.

RECOMMENDATION That Council -

1. Submit an application for grant funding under the Disaster Ready Grant Application Round One;
2. Include the Cullavin St Levee, Gunning in the scope of works of the Disaster Ready Grant Application Round One;
3. Include the raising of one residence above flood levels in Warrataw Street, Gunning, in the scope of works of the Disaster Ready Grant Application Round One;
4. Include the proposed scope of works previously included in the Warrataw Street stormwater upgrade project, Gunning in the Disaster Ready Grant Application Round One;
5. Include the implementation of the Flood Warning System in the Disaster Ready Grant Application Round One;
6. Remove the Warrataw Street stormwater upgrade project from the 2022/23 Council budget; and
7. Utilise the \$350,000 that was allocated towards the Warrataw Street stormwater project, as Council's co-contribution towards the Disaster Ready Grant Application Round One.

BACKGROUND

Council have an opportunity to apply for grant funding under the Disaster Ready Grant Application Round One. The deadline for this grant application is 14 February 2023. The primary objectives of the Disaster Ready Grant Application Round One is as follows.

- Increase the understanding of natural hazard disaster impacts, as a first step towards reducing disaster impacts in the future.
- Increase the resilience, adaptive capacity and/or preparedness of governments, community service organisations and affected communities to minimise the potential impact of natural hazards and avert disasters.
- Reduce the exposure to risk, harm and/or severity of a natural hazard's impacts, including reducing the recovery burden for governments and vulnerable and/or affected communities.

Infrastructure Department

DISASTER READY GRANT APPLICATION ROUND ONE FOR GUNNING STORMWATER UPGRADES AND FLOOD WARNING SYSTEM cont'd

Co-contribution of 50% is expected from applicants which could be a financial or in-kind contribution.

REPORT

Background Information on the Floodplain Risk Management Study and Draft Plan

At the March 2017 Ordinary Council Meeting Council adopted the Floodplain Risk Management Plan which is a product of the Floodplain Risk Management Study and Draft Plan. The Floodplain Risk Management Study and Draft Plan analysed flood extends during various storm events and potential remediation options for Crookwell, Gunning, Collector and Taralga.

All of the following projects proposed to be included in the grant application are discussed in the Floodplain Risk Management Study and Draft Plan.

Cullavin Street Levee (Option 2), Gunning

The scope of works for this project include the following.

- Acquire drainage easements over private property.
- Construction of an earthen embankment to provide 750 mm freeboard above a 100 year ARI peak water levels in Meadow Creek.
- Construction of a diversion channel through the Gunning Showground.
- Piped drainage through the earthen embankment to drain the protected side of the levee.
- Geotechnical investigations of foundation conditions and sources of material for the levee construction and test boring along the route.

The grant application amount associated with this project is \$2,250,000

Raising of one residence above flood levels in Warrataw Street, Gunning

One timber framed house in Warrataw Street which is subject to inundation, could potentially be raised above flood levels. This process involves raising the house to a predetermined level, constructing new supports, stairways and balconies and reconnecting services.

At the time of writing this report no investigation has been carried out and a rough order estimate of \$150,000 will be included in the grant application.

Warrataw Street Minor Stormwater Upgrade, Gunning

In July 2021 Council resolved to allocate a portion of the Local Roads and Community Infrastructure Program (LRCI) towards stormwater upgrade works along Warrataw Street in Gunning. An amount of \$350,000 is allocated in the 2022/23 Budget for this project.

Council engaged a Consultant to undertake a study to investigate minor localised stormwater upgrade along Warrataw Street. It is important to note that there was an unequivocal understanding that the proposed minor upgrade works would not prevent future flooding during large storm events and would at best provide reduced flooding during minor events.

Infrastructure Department

DISASTER READY GRANT APPLICATION ROUND ONE FOR GUNNING STORMWATER UPGRADES AND FLOOD WARNING SYSTEM cont'd

Council staff have further developed the original concept designs prepared by the Consultant with the full understanding that upgrade works would not provide protection during more than minor storm events. The proposed scope of works include kerbing and channelling works along Warrataw Street, cleaning and re-shaping an existing drain and driveway drainage upgrades.

The detailed survey and design process revealed there is between 0.3% and 0.5% fall between Warrataw Street and Meadow Creek. Ideally concrete kerb and gutter is laid between 1% and 5% so as to be 'self-cleaning' in reference to a kerb's ability to both drain and clear silt/debris during rainfall.

When laid with less than 1% fall, newly constructed concrete kerb and gutter would provide only minor drainage in the short term before silting up which will reduce its drainage capacity, except if it is cleaned before and during a rain event.

While the proposed upgrade works would provide limited protection during large storm events, it is considered beneficial to include this project in conjunction with the proposed Cullavin Street levee project, because the levee would provide a higher level of protection during larger storms while these works would provide discharge of secondary (nuisance) stormwater.

The magnitude of the total grant application amount and in particular the requested 50% co-contribution would not be reasonably achievable from Council's low rate base. In the past with other grant applications, Council was successful with offering less than the 50% co-contribution. It is considered unrealistic to expect to be successful with this application by offering 0% co-contribution and it is therefore proposed that the \$350,000 previously allocated towards this project, be offered as co-contribution amount. The scope of works for the minor upgrade works along Warrataw Street, will still be included in the overall scope of works in the grant application.

An amount of \$350,000 will be included in the grant application for the Warrataw Street Minor Stormwater Upgrade project.

Implementation of Flood Warning System

Council's adopted Floodplain Risk Management Plan include the development of a flood warning system which include the following scope.

- Installation of automated rainfall gauges at the townships of Crookwell, Gunning, Collector and Taralga.
- Installation of an automated water level gauge at the township of Gunning.
- Automated warning systems provide reliable information to SES and Council and reduces response times taking away the reliance on critical personnel to monitor conditions.
- Real-time rainfall and water level data hosted by the BoM to assist the SES, Council and the community with decision making.
- Historical data recording to assist with greater accuracy of flood predictions, modelling and understanding potential impacts on the community.
- Gauges will provide real-time data which will be hosted by the Bureau of Meteorology (BoM).

Infrastructure Department

DISASTER READY GRANT APPLICATION ROUND ONE FOR GUNNING STORMWATER UPGRADES AND FLOOD WARNING SYSTEM cont'd

- Rainfall and water level triggers will activate SMS messages to the NSW SES and Council warning them of a possible flood event.

The design stage of this project was completed in 2022.

An amount of \$250,000 will be included in the grant application for the implementation of the Flood Warning System.

OPTIONS

1. Do not apply for the Disaster Ready Grant Application Round One.
2. Submit an application for the Disaster Ready Grant Application Round One as per the recommendation in this report.
3. Submit an application for the Disaster Ready Grant Application Round One as per the recommendation in this report, but increase Council's co-contribution to 50%.

FINANCIAL IMPACT OF RECOMMENDATIONS

Following is a summary of the amounts proposed to be included in the grant application.

| | |
|--|-------------------|
| Cullavin Street Levee (Option 2), Gunning | |
| \$2,250,000 | |
| Raising of one residence in Warrataw Street, Gunning | \$ 150,000 |
| Warrataw Street Minor Stormwater Upgrade, Gunning | \$ 350,000 |
| Implementation of Flood Warning System | <u>\$ 250,000</u> |
| Total | \$3,000,000 |

RECOMMENDATION That Council -

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3. Include the raising of one residence above flood levels in Warrataw Street, Gunning, in the scope of works of the Disaster Ready Grant Application Round One;
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5. Include the implementation of the Flood Warning System in the Disaster Ready Grant Application Round One;
6. Remove the Warrataw Street stormwater upgrade project from the 2022/23 Council budget; and
7. Utilise the \$350,000 that was allocated towards the Warrataw Street stormwater project, as Council's co-contribution towards the Disaster Ready Grant Application Round One.

ATTACHMENTS

Nil