

ITEM 17

TENDER T20/12 - REVIEW OF THE FAIRY AND CABBAGE TREE CREEKS FLOODPLAIN RISK MANAGEMENT STUDY AND PLAN

This report recommends acceptance of a tender for the Review of the Fairy and Cabbage Tree Creeks Floodplain Risk Management Study and Plan in accordance with the requirements of the Local Government Act 1993 and the Local Government (General) Regulation 2005.

## RECOMMENDATION

- 1 In accordance with clause 178(1)(a) of the Local Government (General) Regulation 2005, Council accept the tender of Advisian for the Review of the Fairy and Cabbage Tree Creeks Floodplain Risk Management Study and Plan, in the sum of \$159,925, excluding GST.
- 2 Council delegate to the General Manager the authority to finalise and execute the contract and any other documentation required to give effect to this resolution.
- 3 Council grant authority for the use of the Common Seal of Council on the contract and any other documentation, should it be required, to give effect to this resolution.

## REPORT AUTHORISATIONS

Report of: Andrew Heaven, Manager Infrastructure Strategy and Planning (Acting)  
Authorised by: Andrew Carfield, Director Infrastructure + Works - Connectivity Assets + Liveable City

## ATTACHMENTS

There are no attachments for this report

## BACKGROUND

The extended Fairy Cabbage Tree Creek Catchment (incorporating the Smith Street and Belmore Basin catchments) is roughly bounded by Mt Keira Road and Crown Street in the south to Towradgi Road in the north, the Pacific Ocean to the east, and the Illawarra Escarpment to the West. The study area drains a total catchment area of approximately 21.7 km<sup>2</sup> to its outlet at the northern boundary of Stuart Park in Wollongong and Belmore Basin (refer Figure 1 for study area).

Council has completed the Fairy and Cabbage Tree Catchment Flood Study and has been submitted separately to Council for adoption. The overall objective of the flood study is to review the previous study, include extended area, address Council's Revised Conduit Blockage Policy (2016) and account for changes in catchment and advancement of flood modelling approaches.

Following the Fairy and Cabbage Tree Catchment Flood Study, the next phase is to prepare the Floodplain Risk Management Study and Plan (FRMSP) in accordance with the NSW Floodplain Development Manual, to determine flood mitigation measures. The FRMSP is also aimed to address the recent release of Australian Rainfall and Runoff (ARR 2019) guidelines which facilitates latest rainfall data and runoff estimation techniques for flood modelling.

The overall objective of the Floodplain Risk Management Study and Plan is to review Council's current Floodplain Risk Management Study and Plan (2010) and develop an updated floodplain risk management plan for the Fairy and Cabbage Tree catchment. As part of this project, a flood study using the ARR 2019 guidelines will be undertaken to delineate the nature and extent of flooding. Following the flood study a comprehensive evaluation of management options with respect to existing and future development will be carried out for the adoption of appropriate floodplain risk management plan by Council.

Tenders were invited for this project by the OPEN tender method with a close of tenders of 10.00am on 26 May 2020.

Four tenders were received by the close of tenders and all tenders have been scrutinised and assessed by a Tender Assessment Panel constituted in accordance with Council's Procurement Policies and Procedures and comprising representatives of the following Divisions:

- Infrastructure Strategy and Planning;
- Governance and Customer Service;
- City Strategy;
- Department of Planning, Industry and Environment (DPIE).

The Tender Assessment Panel assessed all tenders in accordance with the following assessment criteria and weightings as set out in the formal tender documents:

### Mandatory Criteria

Satisfactory references from referees for previous projects of similar size and scope.

### Assessable Criteria

No	Criteria	Weighting (%)
1	Cost to Council	30
2	Proposed methodology	35
3	Company experience in undertaking projects of similar size, scope and risk profile	10
4	Proposed Team qualifications and experience	15
5	Project Schedule	5
6	Demonstrated strengthening of local economic capacity	5

The mandatory assessment criteria have been met by the recommended tenderer.

The Tender Assessment Panel utilised a weighted scoring method for the assessment of tenders which allocates a numerical score out of 5 in relation to the level of compliance offered by the tenders to each of the assessment criteria as specified in the tender documentation. The method then takes into account pre-determined weightings for each of the assessment criteria which provides for a total score out of 5 to be calculated for each tender. The tender with the highest total score is considered to be the tender that best meets the requirements of the tender documentation in providing best value to Council.

Table 1 below summarises the results of the tender assessment and the ranking of tenders.

TABLE 1 – SUMMARY OF TENDER ASSESSMENT

Name of Tenderer	Ranking
Advisian	1
Rhelm Pty Ltd	2
GRC Hydro	3
Lyall and Associates	4

## PROPOSAL

Council should authorise the engagement of Advisian to carry out the Review of the Fairy and Cabbage Tree Creeks Floodplain Risk Management Study and Plan in accordance with the scope of works and technical specifications developed for the project.

The recommended tenderer has satisfied the Tender Assessment Panel that it is capable of undertaking the works to Council's standards and in accordance with the technical specification.

Referees nominated by the recommended tenderer have been contacted by the Tender Assessment Panel and expressed satisfaction with the standard of work and methods of operation undertaken on their behalf.

## CONSULTATION AND COMMUNICATION

- 1 Members of the Tender Assessment Panel consisting of representative from:
  - Infrastructure Strategy and Planning;
  - Governance and Customer Service;
  - City Strategy;
  - Department of Planning, Industry and Environment (DPIE).
- 2 Nominated Referees.

## PLANNING AND POLICY IMPACT

This report contributes to the delivery of Our Wollongong 2028 goal “We Value and Respect Our Environment”. It specifically delivers on the following:

Community Strategic Plan	Delivery Program 2018-2021	Operational Plan 2019-20
Strategy	3 Year Action	Operational Plan Actions
1.1.3 The potential impacts of natural disasters, such as those related to bushfire, flood and landslips are managed and risks are reduced to protect life, property and the environment	1.1.3.2 Implement a coordinated approach to floodplain and stormwater management	Develop and implement Floodplain Risk Management Plans.

## RISK ASSESSMENT

The risk of the project works or services is considered low based on the following:

- This tender process has fully complied with Council's tendering procedures and the Local Government Act 1993;
- The recommended tenderer, Advisian, has the necessary experience and capability to undertake the project. The company has successfully completed a number of projects of similar size for a variety of clients including Wollongong City Council.

## SUSTAINABILITY IMPLICATIONS

The successful tenderer will investigate sustainable floodplain risk management options that take into consideration, economic (cost benefit ratio), environmental and social criteria.

## FINANCIAL IMPLICATIONS

It is proposed that the project be funded from the Stormwater Services Program as identified in the Annual Plan.

Sufficient budget has been allocated in the Floodplain Management Program to fund this project and approval has been received from the state government for a contribution (2/3) to assist in the funding for this study.

## CONCLUSION

Council should endorse the recommendations of this report.

Figure 1 – Study Area

