



MOREE PLAINS SHIRE COUNCIL

12 DECEMBER 2019

**STRATEGIC ASSET AND WORKS
COMMITTEE MEETING**

PUBLIC BUSINESS PAPER

Thursday, 5 December 2019

- TO:
- Councillors
 - General Manager
 - Director – Corporate Services
 - Director – Planning and Community Development
 - Director – Engineering Services
 - Manager – Executive Projects

Notice is hereby given that the **Strategic Asset and Works Committee Meeting** will be held in the Council Chamber, the Max Centre, 30 Heber Street, Moree on **Thursday, 12 December 2019** commencing at **2pm**.

Please note that all Committee meetings are recorded.

Yours sincerely



Ian Dinham
DIRECTOR OF ENGINEERING SERVICES

Agenda

1. Open Meeting
2. Apologies
3. Confirmation of Minutes – Meeting 14 November 2019
4. Declarations of Interest
5. Reports
6. Standing agenda item: Questions on Notice
7. Standing agenda item: Strategic Planning Proposals and Current Project Updates
8. Standing agenda item: Overseas Trade and Investment
9. Confidential briefing for General Manager and Councillors only
10. Next meeting – Thursday, 13 February 2020
11. Close meeting

Strategic Asset and Works Committee Meeting Public Business Paper

12 December 2019

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Report Title	1. Presentation of Financial Statements 30 June 2019
Report by	Corporate Services
Contact	Andrew Probert, Manager of Financial Services
Attachments	One (1) attachment; refer to Attachments section
File	FILE18/297

COMMITTEE RECOMMENDATION

That the Financial Statements for the 30 June 2019 be received for information.

REPORT

ALIGNMENT WITH MOREE PLAINS 2027 – YOUR SHIRE. THE PLAN. OUR FUTURE

An Inclusive, Caring Community

Not applicable

Sustainable Spaces and Places

Not applicable

A Vibrant Regional Economy

Not applicable

A Leading Organisation

L1.7 Be accountable and transparent in our affairs, operate with integrity, improve our responsiveness and pursue innovative solutions for organisational improvement

BACKGROUND AND KEY ISSUES

Public notice has been given that the Annual Financial Statements will be presented at a meeting of Council scheduled for 12 December 2019 with a Public Notice placed on Moree Plains Shire Council's (**Council**) website and in the Moree Champion on 28 November 2019 and 3 December 2019. Copies of the Statements are available from The Max Centre Office, Moree Regional Library and Mungindi Office/Library and on Councils' website.

Council's Auditors, Mr Paul Cornall and Mr Jacob Sauer from Forsyths Business Services, will be in attendance on the 12 December 2019 to provide Council with an overview of the financial reports.

Under the provisions of Section 420 of the *Local Government Act 1993 (the Act)*, submissions can be lodged in respect of the financial reports and the Auditors' Reports as follows:

1. Any person may make submissions to the Council with respect to the audited financial reports or with respect to the auditor's reports.
2. A submission must be in writing and must be lodged with the Council within seven (7) days after the date on which those reports are presented to the public.
3. The Council must ensure that copies of all submissions received by it are referred to the auditor.

4. The Council may take such action as it considers appropriate with respect to any such submission, including the giving of notice to the Director-General of any matter that appears to require amendment of the Council's financial reports.

FINANCIAL IMPACT TO COUNCIL

The Financial Reports provide a summary of the performance of Council in relation to financial activities for the previous twelve months. It provides Council with information in relation to its financial performance.

STATUTORY AND POLICY IMPLICATIONS

Section 419 of the Act states as follows:

1. *A Council must present its audited financial reports, together with the auditor's reports, at a meeting of the Council held on the date fixed for the meeting.*
2. *The Council's auditor may, and if so required in writing by the Council must, attend the meeting at which the financial reports are presented.*

Additionally, Section 418 of the Act provides as follows:

1. *As soon as practicable after Council receives a copy of the auditor's reports:*
 - a) *it must fix a date for the meeting which it proposes to present its audited financial reports, together with the auditor's reports, to the public and*
 - b) *it must give public notice of the date so fixed.*
2. *The date fixed for the meeting must be at least 7 days after the date on which the notice is given, but not more than 5 weeks after the auditor's reports are given to the Council."*

RISK IMPLICATIONS

In accordance with the Act, Council has a statutory obligation under Sections 413, 414, 415, 416, 417, 418, 419 and 420 in relation to the preparation, public notice and presentation of its Financial Reports.

ASSET MANAGEMENT IMPLICATIONS

No asset management implications have been identified.

PREVIOUS COUNCIL DECISIONS

This is the first time this matter has come before Council.

ATTACHMENTS

Attachment 1 Financial Statements 30 June 2019

This attachment will be provided under separate cover due to its size.

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Report Title	2. Moree Civic Precinct Redevelopment Project – Update
Report by	Executive
Contact	Angus Witherby, Director Planning and Community Development and John Carleton, Executive Projects Manager
Attachments	No attachment
File	FILE18/388

COMMITTEE RECOMMENDATION

That Council

- 1 Suspend standing orders to view presentations by Public Works Advisory and by Council staff on the project**
- 2 Receive for information the update report for the Moree Civic Precinct Redevelopment Project and the associated presentations.**

REPORT

ALIGNMENT WITH MOREE PLAINS 2027 – YOUR SHIRE. THE PLAN. OUR FUTURE

- An Inclusive, Caring Community**
C2.3 Design community infrastructure and promote events and services that satisfy the diverse needs of our community members
- Sustainable Spaces and Places**
S4.1 Provide well maintained and suitable community buildings, facilities and spaces to foster participation in sports, increased recreational activities and promote arts and cultural opportunities
- A Vibrant Regional Economy**
E2.1 Market the Moree Plains as a tourism destination
- A Leading Organisation**
L2.1 Develop and build on our partnerships and relationships with other stakeholders to address priority issues

BACKGROUND AND KEY ISSUES

The purpose of this report is to update Moree Plains Shire Council (**Council**) on the Moree Civic Precinct Redevelopment Project (**Project**).

Council has received funding for Stage One of a multi-stage upgrade program for the Moree Civic Precinct. Central to this initial stage is implementing essential compliance upgrades to the Memorial Hall and to a lesser extent, the Banquet Hall and Community Library.

As previously reported to Council, the procurement process for a suitable head contractor did not produce an acceptable outcome. As such, and in accordance with the *NSW Local Government Act 1993*, Council resolved to investigate the capacity and capability of Public Works Advisory (**PWA**) (a state agency) to undertake the project management role. Subsequent negotiations confirmed that PWA had both the

experience and capacity to manage the project on behalf of the Council and a contract was entered into following Council's endorsement of their appointment.

Since appointment, the focus of PWA's work has been to secure the necessary additional work to scope project options, so these could be put before the Reference Group for their input and consideration. This process is known as **value management**, and is designed to ensure that the overall project returns best value for Council and the Community. It guides the trade-offs that are necessary in a project of this type to ensure that the overall budget is allocated in the most effective way.

A presentation on the Project will be provided by a representative of the PWA, following which Council staff will present the outcomes of the most recent Project Reference Group meeting.

It is recommended that Council suspend standing orders to receive the presentations.

FINANCIAL IMPACT TO COUNCIL

The engagement of PWA is within the expected overall scope of project management costs. The value management process being undertaken with the Project Reference Group will ensure that best value is obtained from a limited budget.

STATUTORY AND POLICY IMPLICATIONS

The acceptance of a direct proposal from PWA without undertaking a further tendering process was permissible under Section 55 of the Act for the following reasons:

3(b) a contract entered into by a council with the Crown (whether in right of the Commonwealth, New South Wales or any other State or a Territory), a Minister of the Crown or a statutory body representing the Crown,

PWA is an NSW government agency and appointment is consistent with the requirements of Clause 3 (b).

3 (i) a contract where, because of extenuating circumstances, remoteness of locality or the unavailability of competitive or reliable tenderers, a council decides by resolution (which states the reasons for the decision) that a satisfactory result would not be achieved by inviting tenders,

Tenders have been called without success. Council has previously resolved by resolution to seek an alternative pathway rather than re-tender.

RISK IMPLICATIONS

Implementing project management through an experienced public sector agency that is fully aware of the project management requirements of the funding body will assist to reduce overall project risks. Also, the demand for Council's project management resources would be significantly reduced at a time when these are fully engaged on other major projects.

As part of ongoing project management, an up-to-date risk matrix is being required and is to be maintained as part of the contractual arrangement. This matrix includes mitigation strategies to reduce the identified risks.

To ensure the Council's interests are best protected through the process, it is also intended that the Council would maintain independent site monitoring during the build process. This would ensure that any issues are identified as early as possible, so that they can be addressed with the minimum impact on the project budget and timing.

ASSET MANAGEMENT IMPLICATIONS

The proposal will result in refurbishment of a major capital asset. This will increase the value of the asset, which will increase the depreciation charge in Council's budget. It is essential that Council ensures the maximal use of the upgraded facility to get best value out of the upgraded asset. There will be a need to develop a specific management structure to assist with this process. This will be brought back to Council prior to completion of the upgrade, and will build on the work of the Civic Precinct Committee of the previous Council.

PREVIOUS COUNCIL DECISIONS

Council at its 10 August 2017 Ordinary Council Meeting resolved the following:

17/08/05 RESOLVED (CASSELLS/MONTGOMERY)

That Council endorse staff to prepare a grant proposal for the Moree Civic Precinct upgrade that is generally consistent with the project scope identified in Stage 1 (as part of the Strategic Plan) and that the cost estimates be updated and eligibility criteria for grant funding be further identified and be brought back to Council for further consideration.

Council at its 25 January 2018 Ordinary Council Meeting resolved the following:

18/01/08 RESOLVED (CASSELLS/TRAMBY)

- 1. That Council submit a grant application to the second phase of the Regional Cultural Fund for Stage 1 of the Moree Civic Precinct redevelopment.***
- 2. That Council provide delegated authority to the General Manager to issue owners consent for the lodgement of a Development Application on the lots affected by the Moree Civic Precinct redevelopment.***
- 3. That Council endorse the expenditure of funds up to \$55,414 sourced from the Moree Civic Precinct redevelopment budget in order to submit a compelling grant application consistent with the mandatory requirements of the Regional Cultural Fund.***

Council, at its 24 January 2019 Ordinary Council Meeting, resolved the following:

19/01/25 RESOLVED (CASSELLS/CRAWFORD)

That Council:

- 1. Endorse the Moree Civic Precinct Redevelopment Project Governance Structure.***
- 2. Appoint Councillors S Ritchie and J Tramby to the Moree Civic Precinct Redevelopment Project Reference Group.***
- 3. That Council endorse a call for an Expressions of Interest for three (3) Local Event and Event Management Hall users for appointment to the Moree Civic Precinct Redevelopment Project Reference Group.***

Council at its 9 May 2019 Ordinary Council Meeting resolved the following:

19/05/09 RESOLVED (MONTGOMERY/CASSELLS)

- 1. That Council endorses appointment of the below community members to the Moree Civic Precinct Redevelopment Stage 1 Project Reference Group:***
 - Michele Maurer***
 - Bryon Phillips***

- **Kerrie Matchett**

2. ***That the General Manager be given delegated authority to on behalf of Council advise the community members appointed to the Moree Civic Precinct Redevelopment Stage 1 Project Reference Group.***

Council at its 8 August 2019 Ordinary Council Meeting resolved the following:

19/08/14 RESOLVED (PRICE/SMITH)

1. ***That Council per the Local Government Act 1993 Chapter 6 Part 3 Division 1 Tendering s55(3)(b) and the Local Government (General) Regulation 2005, Part 7 Tendering, Division 4 Determination of successful tenderer, 178(4)(a)(b):***
 - a. ***Resolves not to accept any of the tenders for the Request for Tender 19/07 Moree Civic Precinct Head Contractor for the following reasons:***
 - i. ***Outside of the approved budget***
 - ii. ***Unsatisfactory to our requirements***
 - b. ***Resolves to enter into negotiations with the Public Works Advisory with a view to entering into a contract in relation to the subject matter of the Request for Tender 19/07 Moree Civic Precinct Head Contractor.***
2. ***That the General Manager be given Delegated Authority to negotiate a contract for the Moree Civic Precinct Head Contractor within the approved budget and to be brought back to Council for final endorsement.***

Council at its 12 September 2019 Ordinary Council Meeting resolved the following:

19/09/21 RESOLVED (SMITH/CHIU)

That Council:

1. ***Endorse the appointment of Public Works Advisory to project manage the Moree Civic Precinct project; and***
2. ***Delegate to the General Manager***
 - i. ***the signing of a contract with Public Works Advisory that is consistent with the requirements of the funding body and the preferred position of Council as set out in the Confidential Report;***
 - ii. ***the approval of any modifications to the Development Consent that might be required for operational reasons during the course of the project***
 - iii. ***That Council appoint a role of 'Project Officer' and utilise the funds from the project funds to cover the cost of the role.***

ATTACHMENTS

There are no attachments.

Report Title	3. Floodplain Management Australia 2019 National Conference Attendee Notes
Report by	Engineering Services
Contact	Ian Dinham, Director of Engineering Services
Attachments	One (1) attachment; refer to Attachments section
File	FILE 13/136

COMMITTEE RECOMMENDATION

That the Strategic Asset and Works Committee receive the report for information.

REPORT

ALIGNMENT WITH MOREE PLAINS 2027 – YOUR SHIRE. THE PLAN. OUR FUTURE

- ☒ **An Inclusive, Caring Community**
C1.3 Emergency response and management services in our region are supported
- ☒ **Sustainable Spaces and Places**
S3.1 Evaluate and respond to flood impacts associated with land use and development
- ☒ **A Vibrant Regional Economy**
E3.1 Keep the businesses we have vibrant and economically sustainable
- ☒ **A Leading Organisation**
L2.3 Advocate on behalf of the community for today and our future to ensure the sustainability of the Shire

BACKGROUND AND KEY ISSUES

The Floodplain Management Australia (**FMA**) Annual Conference is an international recognised event, which has been held annually for over 50 years and is the most respected flood risk management event in Australia. The theme for this past conference was “A National Call to Action: Making Australia Flood Safe” which focused on bringing together various partners and sharing research and ideas to set a clear and compelling vision, mission and priorities for the flood community of Australia (from the 2019 FMA conference web page).

The conference provided four concurrent streams of papers over two and a half days. Technical, informative and general interest papers are presented on themes such as; Building Community Resilience and Engagement, Flood Emergency Preparedness & Management, Flood Policy, Assessing Flood Hazards, Adaption to Climate Change, Flood Resilience and risk management and a special ‘Councillors Choice Session’.

There were exceptional key note speakers as well as a considerable number of flood management practitioners, and a special return of Sarah U’Brien of Dungog Shire Community Centre who’s paper on ‘Capacity Building Approach to Disaster Preparedness’ was a standing room only event. Sarah had some exceptional lessons to learn from the Dungog Flood experience of 21 April 2015. Sarah is willing to travel to other communities to explain her community driven approach, however, she did ask when I spoke to her afterwards that each Council should speak directly with their Community Officer as there are 100’s across the state who have their finger on the pulse of their community.

The next national conference is being held from the 19-22 May 2020 at the Empire Theatre Toowoomba. With the program coming out months in advance, there is plenty of opportunity for all Councillors and relevant staff to plan a visit to attend the paper presentation stream that interests them most.

FINANCIAL IMPACT TO COUNCIL

Council have received numerous grants through the Floodplain Management Program and currently have two (2) grants being; 'Mungindi levee investigation and design' and 'Moree FRMP Review with 2D model to improve land use planning & evaluation of FRMP strategies'.

As our Shire is built on an extensive floodplain, flood resilience needs constantly be one of Council's key priorities.

The key note speaker of the 2019 FMA conference; Sarah Baker, Head of Climate Risk Governance for MinterEllison, spoke in detail of the global financial implications of ignoring the flood impacts of climate change.

STATUTORY AND POLICY IMPLICATIONS

Section 733 of the *Local Government Act, 1993* states:

- (1) A council does not incur any liability in respect of:
 - (a) any advice furnished in good faith by the council relating to the likelihood of any land being flooded or the nature or extent of any such flooding; or
 - (b) anything done or omitted to be done in good faith by the council in so far as it relates to the likelihood of land being flooded or the nature or extent of any such flooding.

RISK IMPLICATIONS

The second key note speaker "Emergency Management around the World- Challenges and Lessons Learned", Harald Drager of Oslo Norway, is a world leader in emergency management and the risk implications of emergencies.

ASSET MANAGEMENT IMPLICATIONS

One of the Australian Leaders in floodplain management is Duncan McLuckie of the NSW Office of Environment and Heritage (OEHL). One of his presentations focused on the new chapters of the Floodplain Development Manual and he was able to inform us that in the coming years there will be new information in respect to town levees. Levees are particularly relevant to Moree Shire as we have levees protecting Mungindi, Yarraman, Pallamallawa and a small berm at Boomi.

PREVIOUS COUNCIL DECISIONS

This is the first time this matter has come before Council.

ATTACHMENTS

Attachment 2 FMA 2019 National Conference attendees notes, by Lila Fisher

Floodplain Management Australia (FMA)**2019 National Conference – Canberra, ACT**

Attendees Notes: Lila Fisher, Project and Development Manager MPSC

Key note Speaker “Beyond the Torrent: Climate Change through a Finance Liability Risk Lens”**Sarah Baker - Head of Climate Risk Governance, MinterEllison**

(Sarah is a Lawyer with MinterEllison and has a Science Major background)

The Brisbane flood in 2011 cost \$6.5Million in physical in restructure costs, and estimated to cost \$7.4Million in mental health and social costs.

- Facts – the last ice age was 4°C cooler than current averages.,
- The base line predictions for warming is 4.1° - 4.8°C by the year 2100.
- Current Polices set the global warming to 3.3° - 3.9°C
- Pledges from Industries set the warming to 2.4°- 2.7°C
- Everyone (*country*) signed the Paris Agreement except Syria and Nicaragua

They all agreed Science is in and therefore to work towards no greater increase then 2°C in the year 2100.

The Australian Reserve Bank considers climate change a – first order issue along with ASX and APRA.

And AASB (*Australian Accounting Standards Board*) & AUASB the (*Accounting and Auditing Standard Board*) now insists that those that prepare financial statement must include climate change assumptions in their asset calculations – the asset value.

Largest 100 Company CEO’s meet every year and release their global risk report. No. 1 Risk (to the economy) is failure of climate change mitigation and adoption.

Think about 4°C Increase in the World 350Million people under water in SE Asia and 1.5Billion people on the Indian Subcontinent will have no fresh water – either it will be under water or due to Glacier melt- no access to water.

The investment companies that control ‘a climate Action 100+ coalition’ and they invest if the company can demonstrate that the company can thrive in the business world.

e.g Itaú Unibanco (Brazilian Bank) - looked at their Ag loans (Ag loans and Residential mortgage are the longest loans that companies will have on their books). And they did a risk assessment of their clients to see which would cope in a changing climate conditions in the year 2040 - Only one passed. They looked at the increasing risk of flood, wind, fire and soil contraction (unstable foundations). They were looking at differential pricing options for business loans and commercial loans for the varying risks, they are looking also at State and Local Government as they are the owners of the most of the assets/infrastructure.

Planning Development – Liability exposure - All contracts have a clause “force majeure”. But what now is an unforeseeable Act of God. Good example is the MDB (Murray Darling Basin) Royal Commission, Brett Walker QC is a very good 700 page read.

Sarah Baker's Conclusions - it doesn't matter if you think Climate Change is 'Bull S*@t' because banks, Insurance companies and Investments companies (superannuation's) don't think that it is Bull-S*@t. And they know that they cannot make money in a 4° C warmer world. Australian Insurance companies have identified that by 2030, 1 in 19 current insurable properties will be uninsurable. If you can't get insurance, you can't get mortgage, so you can't buy.

Sarah's take home message for the Flood Practitioners - Not good enough to say you have looked at the 100 years of historical data. We need to look at worst case scenarios... and.....check that your financial statements are in order.

Session 7A: NSW Office of Environment and Heritage

Presenters: Duncan McLuckie, Elise Armstrong and Angelo Toriato

Title: Directions to Improve Guidance for Floodplain Management in NSW

NSW OEH (Office of Environmental and Heritage) soon to be PIE or EPIC (Planning Industry and Environment or Environment, Planning and Industry Cluster)

Manual

A. NSW Flood Prone Land Policy – As a draft

B. Preliminaries, Foreword, Introduction, and Roles and Responsibilities

- Coastal as manual and "Toolkit" - this is going to be similar
- Flood function - updates to the previous floodway definition
- Guide replaced part of Appendix L of the Manual – DRAFT
- Flood Hazard –replace part of Appendix L of the Manual
- Flood information to support land use planning activities
- **FRM Committee Handbook has been updated**
- Plenty of work in Levee Space – to be done in next few years
- Best Practice & A& PR Guide National Guide
 - Flood Hazard - In flood Study and updated in Flood Risk Management
 - Key Consideration for FPCCS (Flood Planning Consideration Categories?)

Emergency Management Guides

- Both guides are being updated - Communities & SES
- Less complex approach – using PMF only
- Question for Councils is Flooding in your IP& R Framework

Fridays Key Note Speaker "Emergency Management around the World – Challenges and Lessons Learned"

By Harald Drager of Oslo Norway - President of the International Emergency Management Society (TEIMS)

Note – Harold was unable to fly due to a health issue, and therefore his presentation was delivered by Neil Dufty of Molina Stewart Pty Ltd

<http://www.tiems.info/>

TIEMS is set up to focus on Education, Training and Certification

Trend move focus from Response to Preparedness - E.g.

- Response – Resilience
- Inform – Consult with Community

World Bank /GFDRR (Global Facility for Disaster Reduction and Recovery) launched a global study of the state of Civil Protection (global phrase for Emergency Management) in the World: Typologies, Good Practice and Economic returns.

Molina Stewart have completed a paper as has the Ukraine and China

\$3.61M (USD 2016-17 Australia committed to Emergency Management - 94% of which went to Fire Services

Paper will be on FMS web site soon.

Heat wave is the biggest killer in Australia, three times as many Australians died from Heat wave in the same period as the Victorian Fires of that same year (*not sure if it was 2013 or 2009*)

Session 10C; Social and Cultural Aspects

Capacity Building Approach to Disaster Preparedness

By Sarah U'Brien of Dungog Shire Community Centre

At the one year anniversary of the floods of 21 April 2015 that killed three people and completely isolated the community of 1500 population for 4 days, her father cut out core flute letters for words that resonated with the community and created a photo display.

They bought in SES and RFS to discuss their plan for future events which they found to be completely useless – “behaviour change does not occur by filling in piece of paper “a plan” quoted Sarah.

We have to value what is important to them (*the residents/communities and individuals*) before they are going value our concerns. being preparedness.

After the one year anniversary they used the photos to make a series of post cards which discuss what to do with pets, neighbours, discuss what is your toddlers day care emergency plan, your parents nursing homes emergency – They use the Post cards to connect with new neighbours by dropping them into the mail box with their own contact details. Note: One of the three who died on that fateful day was on the street safe when she went back into the house to check on her dogs.

- The baby health nurse now discusses' emergency preparedness – a new mum has a bit of free time, a new mum is suddenly acutely aware of safety for their child,
- The vet now provides information about pet safety in an emergency.
- Preparedness is about getting your ducks lined up and Local Community Service organisation are perfectly positioned to deliver these services there are 300 people like Sarah working across the state.

Questions from the floor – Yes I have had push back from Emergency service agencies for being a “Non-traditional” partner – which has been the hardest thing to over come

Closing Statement from Sarah – If you prepare for “A” hazard you will fail because the hazard may never occur BUT if you prepare to be adaptive, flexible and build relationships you will not fail – you will build resilience in your community, and be able to adapt to any emergency.

Session 10A Infrastructure Projects and Asset Management

“NSW Voluntary Purchase Scheme a Council’s Experience”

By Leon McLean of Tweed Shire Council

Who is using these schemes – three types according to this presenter:

- Retreater - Shocked by recent event
- The developer – Bought cheap land after the flood
- The Home Builder with no Alternative –
 - Invested in and needed to build to realise investment
 - Need to recover investment and alternative property purchase

Council needs:

- Acceptable financial impost - affordable for Council
- Communities Acceptance
- Response to development pressure vacant land and new
- Confidence in future funding for strategic scheme

Voluntary Purchase is very effective

- Doesn’t Mitigate - it completely removes it – VERY GOOD
- Very Expensive for Council
- Development Control –can only cap existing risk doesn’t remove legacy risks

Voluntary Purchase Policy is on Exhibition

Session 11B Infrastructure Projects and Asset Management

“Flood Resilient Infrastructure - A Design Framework “

By Steven Molino of Molina Stewart Pty Ltd

Why do we use the 1% to design everything?

If roads are less than 1% they won’t further exacerbate upstream flooding conditions (previous presenters talk *(Clustering Flood Risk – Are we Compounding the Problem by using the 1% AEP level for too much? Monique Retallick WMAwater)*

Infrastructure Critical ones are Road, Rail, Electricity, Water, Sewerage, Health, Emergency Services.
Look at PMF for Critical Assets eg STW and Water treatment works.

Might not stop flooding the system, but if need be can turn of the system to avoid ricks involved with water infiltration and turn on when water subsides which will allow for quicker reinstatement time.

Solutions include temporary levees but need to know what the current flood height risk is so can plan for it. Or raised substations/ power boxes as an alternative as power and water don’t mix. *Question to bring back to Moree - Are the sewerage pumps station power above the PMF and if so what is the free board - this has been tasked to the WaterRide software to provide details.*

Flood Risk – 1% AEP and AAP[sic] and BCR - acceptable Risk Thresholds based on probability.

Session 11C Flood Policy, Guidance and Best Practice

What do we need to do make Australia Flood Safe(r) - (can't make it Flood Safe)?

By Caroline Sullivan of the National Centre for Flood Research

- Level of Tolerability
- Long-term Flood safety
- Communicate The Big One
- Psycho-social and legislative issues – Psychological of risk aversion
- Modelling and technical Issues
- Health and other Community Impacts
- Economic and Financial Costs
- Role of Natural Capital (wetlands, natural water ways, lagoons)
- Managing Recovery

Levee related presentations relevant for Mungindi and Pallamallawa

Session 3C: Infrastructure Projects and Asset Management (Levees)

“The Realities of Flood Proofing Towns Using Levees”

By Ed Henty – Cardno

Real and Detailed Cost Estimate!!!!!!!!!!

Detailed costs never include land acquisition which will be 10-15% of the levee costs.

Start with:

- Full feature Survey
- Title Survey
- Cultural Survey / Heritage Assessment
- Property Valuations
- Planning Scheme amendments
- Biodiversity Assessment
- Engineering Design

Levee Construction will take a long time – Not under 4 years

- ✓ Recommend dedicated Project Manager
- ✓ Recommend first do preliminary Design – use 15m wide and property valuer for cost estimates and approx. 5km levee is \$6M.
- ✓ Need 10,000's m³ of Clay plan now - talk to landfill operators.
- ✓ Functional Design – includes landscape plans, think about internal drainage design early
- ✓ Consultation Materials - Landscape plans/renders, typical sections. Land take up plan, fly over animation (infraworks) web based mapping - for before and after shots
- ✓ Consider alternative options then compulsory acquiring - engage early as possible with land owners
- ✓ Careful of plan and imagines going out (*that can be miss interpreted without narration*)
- ✓ Keep community up to date but don't over consult
- ✓ Consult individual landowners first
 - Take Home Messages -
 - Cost – Know where \$\$ coming from
 - Know benefit to the whole shire
 - Community view

- Clear easy plan
Good source of info - *The International Levee Hand book* – US ARMY Corps

Session 3C: Infrastructure Projects and Asset Management (Levees)

The Performance of NSW Urban Levees Adjacent to River banks

By Fred Spain - NSW Public Works Advisory

In NSW there are more than 110 Urban Levees and more than 350km of levees.

- Murwillumbah March 2017 failure from rain after ex tropical cyclone Debbie – 700mm in 24hrs evidence of over topping
- evidence of slumping on river side
- evidence of slip circle failure
- evidence of wedge slope failure
- Increase chance failure due to downstream bridge Construction
Remediation - Hard and soft Engineering Solution: - Soft is grass anchor mat stapled on and hard solution – Rock with self deploying /self launching toe.

Second Levee Failure case study also had similar remediation treatment

Common causes – both on outer bends of river, steep bank, levee close to the bank, eddies forming due to downstream construction. And one had a tree on top that toppled.

NSW Public Works Interim Flood Confidence Limit (IFCL) Methodology this is used to know what the maximum safe flood level is.

Classify Levee to Performance Class – in office task using NSW levee performance classification (from NSW public Works).

More often than not trees are a help in the right location. At the bottom of the river bank a tree helps. The trees slow water velocity at the river edge.

Session 10B Infrastructure Projects and Asset Management

“Best Practice for Residual Risk behind the Levees: – The Launceston Experience”

By Darren Lyons, BMT Eastern Australia

Launceston exists at the North and South Esk Confluence to form the Tamar River.

Fluvial (*fluvial definition found in a river*) flooding of north and south Esk (*they*) modelled “No levee” scenario and 2050 climate change scenarios

- Levee was 1 in 200-year protection
- Now is a 1% protection
- In 2050 it will be 2 % protection

Session 10B Infrastructure Projects and Asset Management

“Assessing Tangible and Intangible Flood Impacts in Newstead, Launceston

By Tariq Maqsood of RMIT University

Tangible and Intangible Flood Impacts

Hazard

Exposure

Vulnerability



RISK

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Report Title	4. Questions on Notice Responses
Report by	Engineering Services
Contact	Ian Dinham, Director of Engineering Services
Attachments	One (1) attachment; refer to Attachments section
File	FILE 15/185

COMMITTEE RECOMMENDATION

That the Strategic Asset and Works Committee receive the Questions on Notice responses for information.

REPORT

ALIGNMENT WITH MOREE PLAINS 2027 – YOUR SHIRE. THE PLAN. OUR FUTURE

An Inclusive, Caring Community

Not applicable

Sustainable Spaces and Places

Not applicable

A Vibrant Regional Economy

Not applicable

A Leading Organisation

L1.7 Be accountable and transparent in our affairs, operate with integrity, improve our responsiveness and pursue innovative solutions for organisational improvement

BACKGROUND AND KEY ISSUES

Questions on Notice (**QON**) provide an opportunity for Councillors to ask questions of the General Manager which are then recorded within the meeting minutes and the Council's Customer Request Management (**CRM**) system. A response to this question is either provided verbally at the meeting or taken on notice if the response requires further research.

In response to requests from Councillors, a QON response system has been implemented where all responses are made available to the public through a Standing Committee Meeting business paper (as per this report). This will ensure that the answers not provided at the meeting are publically available for review by members of the public and Council's transparency is enhanced.

FINANCIAL IMPACT TO COUNCIL

Review of the QON's has no significant financial implications.

STATUTORY AND POLICY IMPLICATIONS

Council's Code of Meeting Practice (2016) includes the provision for QON's as part of the Committee Meeting Standing Order of Business. The Code of Meeting Practice is consistent with the *Local Government Act 1993 (NSW)*, the Local Government (General) Regulation 2005 and the Model Code.

RISK IMPLICATIONS

There are no identified risk implications associated with QON responses.

ASSET MANAGEMENT IMPLICATIONS

No asset management implications have been identified.

PREVIOUS COUNCIL DECISIONS

QON responses are provided as part of a Standing Committee Meeting business paper on a regular basis to ensure all responses are made available to the public.

ATTACHMENTS

Attachment 3 Question on Notice responses

CRM 5299/2019

Councillor Ritchie:

2. Can Council replace the heritage lights on the walkway for the Broadwater Bridge?

(Community Development and Services Committee December 2019)

Response:

The Kath Mahaffey Bridge over the Broadwater Creek on the Gwydir Highway is a Roads and Maritime (RMS) asset. Council staff have previously asked the RMS, through their general enquires portal, if they would repair the lights. After an investigation they have identified that the lights are not heritage listed and serve no purpose, therefore they would not be repaired, only removed.

However, as part of our local heritage, it is appreciated that the community would prefer the lights to remain and for this reason, Council staff have taken no further action to remove them. Council staff could submit a project sheet for this work as part of the 2020/2021 budget consideration process, noting as part of the submission that it is not a Council asset.

CRM 5298/2019

Councillor Ritchie:

1. Can Council repair Boomi Cemetery Road? There have been some public complaints made to Councillor Ritchie

(Community Development and Services Committee December 2019)

Response:

The road was inspected by Council's Unsealed Superintendent. It will receive a light maintenance grade when the grader is in the area, hopefully before Christmas.

CRM 5295/2019

Councillor Price:

Improving roads is a priority for Moree Plains Shire and it is disappointing no submissions were made to NSW Government Fixing Country Roads program.

NB: Councillor Price is referring to no submissions being made to Round 2 of Fixing Country Roads.

(Community Development and Services Committee December 2019)

Response:

At the meeting, Mr Dinham updated the Committee that Council could not find any roads that could meet the BCR criteria of greater than 1. Council have put together an application for a 6km stretch of road with a BCR of 0.6, which was the highest available BCR for the Shire. There is a new program, Fixing Local Roads, that doesn't require a BCR. Staff are working on applications to this program.

Further, Council focused its resources and submitted seven (7) applications under the Fixing Local Roads funding stream on 2 December 2019.

CRM 5295/2019

Councillor Humphries:

Supplementary question - a. Can Council prepare a public response on the reasons why Council was unable to provide an application to the Fixing Country Roads program, should it become a public issue.

(Community Development and Services Committee December 2019)

Response:

Council could prepare a public response outlining why none of its road priority projects meet the requirements for funding under the Fixing Country Roads Program.

Such a response could actually inform the public that seven (7) applications have been submitted under the Fixing Local Roads program instead.

CRM 5294/2019

Councillor Price:

Gwydir Council have pulled out of the North West Weight of Loads Group. Please provide a financial report of Council's financial input into the group and investigate if Council should continue contribution before next Council budget. Question taken on notice.

(Community Development and Services Committee December 2019)

Response:

A report will be presented to Council in Q3 of 2020.

CRM 5293/2019

Councillor Price:

3. Please provide an update on the Washpool lift and rebuild that Council received funding for.

(Community Development and Services Committee December 2019)

Response:

The RMS, now Transport for NSW, are still in negotiations with landholders regarding flood levels and the impacts on landholders surrounding the Washpool. They are working on different cell height scenarios for the Washpool levels and how they will affect the property owners land. When an agreement is reached, the tenders will go out for the culvert construction. There has been discussion of constructing a side-track around the Washpool to speed up construction of the cells, but that will also require permission from the various authorities concerned, Aboriginal Studies, Fisheries etc. The side-track and associated earthworks after the large culvert construction will likely be undertaken by Council's Construction crew.

CRM5155/2019

Councillor Cassells:

There is a tree obstructing vision as you approach the highway near Chesterfield, can we have this looked at please.

(Finance and Governance Committee – 21 November 2019)

<p>Response: <i>Following review by Councils' Road Safety Officer, the recommendation is that the trees are at an interim height/stage of growth, however they aren't an issue if motorists correctly observe the Stop sign requirement. If there was a Give Way sign instead of a Stop sign, it would likely be a visibility issue, however as it is a Stop sign, motorists should be able to take the time to see safely if they stop at the designated holding line. However, this matter will have ongoing monitoring.</i></p>
<p>CRM5153/2019</p> <p>Councillor Tramby: The trees at the RMS truck parking area on Tycannah plains need watering. Can we write and encourage RMS to fund the water for the watering of the trees?</p> <p>(Finance and Governance Committee – 21 November 2019)</p>
<p>Response: <i>Council has contacted the RMS, at the time of this report a response had not yet been received.</i></p>
<p>CRM5151/2019</p> <p>Councillor Tramby: Advised that he had received a letter from the resident of 3 Boonery road, this was addressed to all Councillors. It is in relation to a tree outside the boundary of 3 Boonery Road. The tree has been removed and no one could advise the resident why it was removed.</p> <p>(Finance and Governance Committee – 21 November 2019)</p>
<p>Response: <i>For unknown reasons, the letter was not received by Council staff prior to being raised by Councillor Tramby on 21 November 2019. The usual procedure would normally be that if a call or letter came in, then a CRM would be raised to the Urban Superintendent, or the matter would be investigated by Engineering Support staff and a response supplied. As this did not happen, a written response was subsequently supplied to the resident advising that the tree was removed as it was diseased and deemed a safety risk to the community. The tree was on the Council verge. The resident was advised to contact Council requesting a replacement species of tree from the supplied Urban Vegetation brochure if they so wished. To date, a further response has not been received.</i></p>
<p>CRM5050/2019</p> <p>Councillor Price: What plans are in place to spend surplus reserves from the Roads Sustainability Fund?</p> <p>(Strategic Asset and Works – 14 November 2019)</p>
<p>Response: <i>Funds from the Roads Sustainability Fund are usually utilised to provide the required "matching" component for grant applications, or where no other source of funds is available.</i></p>

<p>CRM5049/2019</p> <p>Councillor Price: How is the extra Roads to Recovery funding going to be spent?</p> <p>(Strategic Asset and Works – 14 November 2019)</p> <p>Response: <i>The extra Roads to Recovery funding will be allocated to those road projects deemed to be a priority and/or identified in Council's Operational Plan.</i></p>
<p>CRM4992/2019</p> <p>Councillor Tramby: Could Council's Cemetery Policy be reviewed with regard to burial rite entitlement to better reflect the will and testament of the deceased, as the policy is now that burial rites be given to the person that has paid for the burial, rather than the executor/s of the will?</p> <p>(Strategic Asset and Works - November 2019)</p> <p>Response: <i>It is not always the case that the Executor of a will is a family member and for this reason, the common practice is always to grant the right of any burial to the person or persons who organise a funeral, which is usually most often a family member. It is recommended that this policy remain unchanged as it otherwise has the capability to cause problems for those persons organising a funeral and the associated memorial, control of which would also be given to the Executor and therefore family members would not have any say in what goes on a memorial or who is buried in the allotment in the future.</i></p>
<p>CRM4993/2019</p> <p>Councillor Price: What percentage of bore water is being used at Mungindi? -In order to save water in the Barwon River at Mungindi, is it possible to provide Mungindi with only bore water? - This is a matter of urgency.</p> <p>(Strategic Asset and Works - November 2019)</p> <p>Response: What percentage of bore water is being used at Mungindi? Currently Mungindi town is supplied with 35% Artesian water mixed with 65% River water. Artesian water is mixed with treated river water in a clear water tank and dosed with chlorine and fluoride.</p> <p>Is it possible to provide Mungindi with only bore water? Yes, with plumbing modifications at the bore site and in the water treatment plant, the capacity to pump up to 10L/sec of Artesian water into the water treatment plant can be achieved. This would allow for 100% Artesian water supply to residents of Mungindi, thus alleviating any need to utilize river water. Artesian water will have an adverse effect on potable supply in terms of elevated temperature and some liberation of gases including Hydrogen Sulfide gas. Also high water temperature will make it difficult to manage chlorine demand in the network. Council have engaged a consultant and are liaising with DPIE and NSW Water regarding installation of a cooling tower.</p>

By installing a cooling tower, the structure can remove the temperature and Hydrogen Sulfide gas for the Artesian water. Walgett Shire Council have been through a similar situation and have installed a new cooling tower. This now supplies the town with 100% Artesian water. Council is in the process of procuring a cooling tower on a lease arrangement before Christmas.

This matter is being dealt with under great urgency.

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