Infrastructure Services Committee Agenda

13 August 2019
To All Councillors

You are hereby notified that the next meeting of the Infrastructure Services Committee will be held on 13 August 2019 in the Barry Rose Room at 12.00pm, for the purpose of transacting the undermentioned business.

This meeting will be audio recorded and those in attendance should refrain from making any defamatory statements.

There are to be no other recordings of this meeting without the prior authorisation of the committee.

The Infrastructure Services Committee consists of

Cr Lorna Driscoll, Cr Ron Campbell, Cr James Burns, Cr Maurice Collison and Cr Wayne Bedggood.

STEVE MCDONALD
GENERAL MANAGER

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2. DISCLOSE OF INTEREST
3. PUBLIC PARTICIPATION
4. BUSINESS ITEMS
5. AGENDA ITEMS

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Report To Infrastructure Services Committee
13 August 2019

Infrastructure Services

INFRASTRUCTURE SERVICES REPORTS

ISC.08.1 WORKS PROGRAM - INFRASTRUCTURE SERVICES - WATER AND SEWER

RESPONSIBLE OFFICER: Nicholas Havyatt - Director Infrastructure Services
AUTHOR: Phillip Hood - Manager Water & Sewer

PURPOSE

The purpose of the report is to provide an update on all works undertaken by the Water and Sewer teams over the previous month and those planned for the upcoming month.

RECOMMENDATION

That the Committee receive the report and note the information.

BACKGROUND

The report provides information to assist in addressing ratepayer enquiries regarding construction, maintenance and other activities in the area of Water and Sewer.

REPORT/PROPOSAL

Progress of major projects is listed in Attachment 1 (note new format for this month). All works relating to Murrurundi water supply are covered in a separate report.

Project highlights from this month include (but are not limited to):

- Scone Sewage Treatment Plant (STP)
  - Application for Safe and Secure funding unsuccessful. Council staff to meet with DPIE and discuss the path forward for the project.
  - Council may need to refine/reduce the project scope in order to obtain funding – however currently drought-related projects are being prioritized by the NSW Government.
  - In the meantime, Council staff are addressing multiple urgent maintenance issues at the plant, including inlet screen renewal, sludge pond relining and tertiary pond weir refurbishment. Prices/proposals being sought by relevant service providers.
  - Total cost for these items to be confirmed and presented to the Infrastructure Services Committee, as is not currently in the 2019/20 DPOP – the expectation was that these items would have been included in the larger plant upgrade Scope of Works.

- Merriwa Sewage Treatment Plant (STP)
  - Final Options Study recently received from HH2O for process/treatment improvements at Merriwa STP, Council staff yet to finish review of the document – our Water and Sewer Treatment Engineer is on leave for the month of August.
However, some remediation works already undertaken at the STP, and the trickle filter mechanism is currently being repaired.

Council will present an upgrade strategy for both the Scone and Merriwa STP’s in a future Infrastructure Services Committee Report with budget estimates.

- **Cassilis Sewerage Scheme**
  - Final Concept Design received from Cardno – cost estimate is now at $4.2M, though the overall concept has not changed.
  - The Flood Study and Preliminary Environmental Assessment received from Cardno.
  - The significant outcome of the Flood Study is that the treatment plant site will not be affected by river flood levels, but may be inundated by localized flooding. This can be mitigated by constructing diversion channels around the site.
  - There are no environmental issues of any great concern, with the exception of potential ground water impacts from recycled water irrigation – with further investigation required to ensure groundwater is not polluted.
  - Council staff are also investigating project delivery options, including obtaining cost estimates from Civil contractors for the separate components – as the current cost estimate is well above budget.

- **Airport Sewer Pump Station**
  - Council staff are urgently scoping out the required service replacements required for the Airport Development – the new aviation centre will be built over the existing sewage pump station (SPS).
  - There is opportunity to potentially package this work with another new pump station that will be required for the race course precinct future development plans – the new race course SPS will pump into the airport SPS.
  - Neither SPS should require any capital contribution from the sewer fund, however water and sewer team resources will be used for design/delivery.

**OPTIONS**

To note the report.

**CONSULTATION**

- Director Infrastructure Services
- Manager Water and Sewer
- Engineer Water and Sewer Distribution
- Engineer Water and Sewer Treatment

**STRATEGIC LINKS**

a. **Community Strategic Plan 2027**

This report links to the Community Strategic Plan 2027 as follows:

**BUILT & NATURAL ENVIRONMENT**

Goal 3  Protect the natural Environment.
CS10  Advocate for, facilitate and support programs that protect and sustain our diverse environment for our future generations.
CS11 Encourage and support active Community participation within our Community to care for our environment and provide for a sustainable future.

Goal 4 Plan for a sustainable future.
CS15 Plan, facilitate and provide for a changing population for current and future generations.
CS16 Provide efficient and effective waste and recycling services and support improved waste minimisation and recycling practices

**ECONOMY & INFRASTRUCTURE**

Goal 6 Increase, enhance and maintain civil infrastructure, Community assets and open spaces to meet the needs of current and future generations.
CS24 Provide for replacement, improvement and additional Community and open space infrastructure through investment, best practice and risk management.
CS26 Provide safe and reliable water and sewerage services to meet the demands of current and future generations.

**LEADERSHIP**

Goal 8 Provide Community leadership.
CS30 Effectively and efficiently manage the business of Council, while encouraging an open and participatory Council with an emphasis on transparency, Community engagement, action and response.

Goal 9 Advocate for the Community.
CS41 To participate and encourage regional coordination and planning between Councils and other generations.
CS42 Provide timely and effective advocacy and leadership on key community issues and priorities.

We are working to achieve the following Community Priorities:

- **Reliable and safe water supply.**
- **Increase focus on local business, shop occupation and revitalisation of the Town Centres.**

**b. Delivery Program**

The report addresses the following objectives for works up to 30 June 2020 as described in the 2019/20 DPOP:

**Water Services**
- By providing an adequate and secure potable water supply to recognise standards in defined areas on a cost effective basis.
Sewage Services
- By maintain sewerage systems for the transportation and treatment of sewage to meet licence requirements.
- By implementing long-term asset replacement strategy.

c. Other Plans
Various Asset Management Plans.

IMPLICATIONS

a. Policy and Procedural Implications
Maintenance guidelines as identified within Service Levels, Asset Management Plans and Strategic Plans.

b. Financial Implications
Identified within individual items in the 2019/20 budget.

c. Legislative Implications
- Protection of the Environment Operations Act 1997
- Water Management Act 2000
- Public Health Regulation 2012

d. Risk Implications
Maintenance and Capital activities play a vital role to mitigate and minimise Council’s risk in these areas.

e. Other Implications
Nil

CONCLUSION
The updated report is provided as Attachment 1 and details work undertaken over the previous month and works planned for the upcoming month.

ATTACHMENTS
1 Water and Sewer Capital Works Update - Attachment for ISC meeting - August 13 2019
### Water and Sewer Activities Update – July 2019

<table>
<thead>
<tr>
<th>Ref</th>
<th>Budget</th>
<th>Project</th>
<th>Location</th>
<th>Summary Scope / deliverables</th>
<th>Target Completion</th>
<th>Cost to June 2019</th>
<th>Budget Status</th>
<th>General Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>$115,000</td>
<td>Reinstall Well 3 and 6</td>
<td>Scone Water</td>
<td>Reinstall disused town water wells for irrigation of recreation facilities.</td>
<td>Sep-19</td>
<td>$100,596</td>
<td>On track</td>
<td>Electrician preparing quotation for Well 3 works now, reinstatement will work in with planned irrigation works at Scone Park for after September. Well 6, still waiting on electrical board to be built and delivered.</td>
</tr>
<tr>
<td>2</td>
<td>$110,000</td>
<td>Upper Hunter Scoping Study</td>
<td>Scone Water</td>
<td>Assess options for connecting all villages in UHSIC to town water, assess water quality risk profile of dam.</td>
<td>Jul-19</td>
<td>$50,366</td>
<td>On track</td>
<td>Final report received. Water quality testing planned for August as per HZO recommendations. Some additional investigations to continue over the next few months which will be added as appendices to the report. Turbidity meter to be installed at Glenbawn Dam.</td>
</tr>
<tr>
<td>3</td>
<td>$4,444,000</td>
<td>Village Reticulation</td>
<td>Scone Water</td>
<td>Supply Parkville, Blandford and Wingen with reticulated water</td>
<td>Jun-22</td>
<td>Nil</td>
<td>On track</td>
<td>Design tender being prepared, aiming to award in November 2019. Draft project schedule is for June 2022 completion.</td>
</tr>
<tr>
<td>4</td>
<td>$80,000</td>
<td>Scone Hi-Zone Reservoir</td>
<td>Scone Water</td>
<td>Install second high zone pump and VSD.</td>
<td>Jul-19</td>
<td>$59,245</td>
<td>On track</td>
<td>Works completed except for VSD programming.</td>
</tr>
<tr>
<td>5</td>
<td>$25,000</td>
<td>Aberdeen Intake</td>
<td>Scone Water</td>
<td>Install orifice plate and pipework at wet well for back feed line from Scone.</td>
<td>Jul-19</td>
<td>$25,309</td>
<td>On track</td>
<td>Works completed.</td>
</tr>
<tr>
<td>6</td>
<td>$17,160,000</td>
<td>Scene STP Augmentation Work</td>
<td>Scene Sewer</td>
<td>Upgrade of Scene STP to meet current EPA requirements and Recycled Water Guidelines</td>
<td>Jun-23</td>
<td>$43,146</td>
<td>Applied for 50% Funding through Safe and Secure Program</td>
<td>Funding application unsuccessful, need to debrief with DPIE to determine a path forward for the project. In the meantime, inlet screens are being renewed, and sludge pond lining works are being planned.</td>
</tr>
<tr>
<td>7</td>
<td>$200,073</td>
<td>Saleyards Sewer Extension</td>
<td>Scene Sewer</td>
<td>Connect Saleyards to Scene sewer network</td>
<td>Jul-19</td>
<td>$75,401</td>
<td>Amber</td>
<td>All sewer works completed, still awaiting some invoices. Issues with the underbore (hard digging) meant this work took longer and was more expensive than budgeted.</td>
</tr>
<tr>
<td>8</td>
<td>$187,000</td>
<td>White Park Sewer</td>
<td>Scene Sewer</td>
<td>New SPS and sewer reticulations for upgraded facility</td>
<td>Sep-19</td>
<td>$218,996</td>
<td>On track</td>
<td>Supply and installation of SPS underway by NCP. SCADA/Telemetry by Schneider</td>
</tr>
<tr>
<td>9</td>
<td>$127,000</td>
<td>Waverley Street Sewer</td>
<td>Scene Sewer</td>
<td>Repair collapsed Waverley Street Sewer Main</td>
<td>Aug-19</td>
<td>$101,368</td>
<td>Under budget</td>
<td>Wilmot onsite to begin works on 5 August. Works expected to take 2 weeks.</td>
</tr>
<tr>
<td>10</td>
<td>$47,000</td>
<td>Kelly Street sewer replacement</td>
<td>Scene Sewer</td>
<td>Replace Kelly Street sewer mains (west side)</td>
<td>Jul-19</td>
<td>$33,963</td>
<td>On track</td>
<td>Works completed.</td>
</tr>
</tbody>
</table>
## Water and Sewer Activities Update – July 2019

<table>
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</thead>
<tbody>
<tr>
<td>11</td>
<td>$2,690,000</td>
<td>Cassilis Sewage System</td>
<td>Cassilis</td>
<td>New Sewerage Scheme for the village of Cassilis</td>
<td>Feb-21</td>
<td>$175,333</td>
<td>Amber</td>
<td>Final Concept Design received, Cardno’s budget estimate in excess of $4 million. Looking to get more accurate budget estimates from civil contractors before proceeding further.</td>
</tr>
<tr>
<td>14</td>
<td>$116,429</td>
<td>Gooch Street Mains Replacement</td>
<td>Merriwa</td>
<td>Replace existing water main along Gooch Street, address dead ends in area</td>
<td>Jun-19</td>
<td>$110,395</td>
<td>On track</td>
<td>Completed.</td>
</tr>
<tr>
<td>15</td>
<td>$36,000</td>
<td>SCADA/Telemetry Upgrade</td>
<td>Merriwa</td>
<td>Upgrade of telemetry at all water and sewer sites in Merriwa and Cassilis</td>
<td>Jun-20</td>
<td>Nil</td>
<td>On track</td>
<td>Continuing work with Schneider Electric to scope out telemetry upgrade works, starting at Merriwa WTP.</td>
</tr>
<tr>
<td>16</td>
<td>$150,000</td>
<td>Aberdeen Reservoirs</td>
<td>Aberdeen</td>
<td>Replacement of elevated reservoir</td>
<td>Jun-20</td>
<td>Nil</td>
<td>On track</td>
<td>Brooks Brothers have supplied a Scope of Works that will be used to develop a tender for D&amp;C contract in 2019/20.</td>
</tr>
<tr>
<td>17</td>
<td>$120,000</td>
<td>Integrated Water Cycle Management Plan (IWCMP)</td>
<td>UHSC</td>
<td>Completion of the IWCMP for UHSC, as per NSW GoB Best Practice Guideline</td>
<td>Jun-20</td>
<td>$10,098</td>
<td>On track</td>
<td>Public Works to finalise Issues Paper. Works to continue throughout the year.</td>
</tr>
<tr>
<td>18</td>
<td>$792,000</td>
<td>Mururrundi Water</td>
<td>Mururrundi</td>
<td>Deliver water to Mururrundi via tanker</td>
<td>Jun-20</td>
<td>$248,022</td>
<td>On track</td>
<td>Water carting ongoing.</td>
</tr>
<tr>
<td>19</td>
<td>$960,000</td>
<td>New Mururrundi Reservoirs</td>
<td>Mururrundi</td>
<td>Design and construct an additional 1.5ML treated water storage for Mururrundi</td>
<td>Jun-20</td>
<td>$26,355</td>
<td>On track</td>
<td>GHD undertaking the Concept Design work for the new reservoir. Aiming to award D&amp;C tender in December 2019.</td>
</tr>
<tr>
<td>20</td>
<td>$35,000</td>
<td>Mururrundi Bernard Street Main Extension</td>
<td>Mururrundi</td>
<td>Water main construction in Mururrundi to address dead end at Caravan Park</td>
<td>Aug-20</td>
<td>$39,671</td>
<td>On track</td>
<td>Contracted water mains construction to be completed by NCP.</td>
</tr>
<tr>
<td>21</td>
<td>$98,028</td>
<td>St Aubin Street Main Replacement</td>
<td>Scenic Water</td>
<td>Replace AC trunk main on St Aubin Street with DN300 DCL</td>
<td>Aug-20</td>
<td>$88,823</td>
<td>On track</td>
<td>Completed.</td>
</tr>
<tr>
<td>22</td>
<td>$42,000</td>
<td>Aberdeen Centre Column Replacement</td>
<td>Aberdeen Water</td>
<td>Replace the centre column of Aberdeen inground reservoir 2</td>
<td>Sep-19</td>
<td>$3,000</td>
<td>On track</td>
<td>Aquasift reviewed reservoir and took measurements, awaiting quotation to replace the column.</td>
</tr>
<tr>
<td>23</td>
<td>$50,000</td>
<td>Merriwa Trickling Filter Upgrade</td>
<td>Merriwa</td>
<td>Undertake repair works on Merriwa STP Trickling Filter</td>
<td>Aug-19</td>
<td>Nil</td>
<td>On track</td>
<td>Works underway.</td>
</tr>
</tbody>
</table>
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</thead>
<tbody>
<tr>
<td>24</td>
<td>$50,000</td>
<td>Murrurundi Dam Safety Inspection</td>
<td>Murrurundi Water</td>
<td>5 year inspection to maintain Dam Safety Committee Compliance</td>
<td>Aug-19</td>
<td>Nil</td>
<td>On track</td>
<td>Inspection undertaken on 23 July. Awaiting report.</td>
</tr>
<tr>
<td>28</td>
<td>$100,000</td>
<td>Segenhoe Street Sewer Main Replacement</td>
<td>Aberdeen Sewer</td>
<td>Replacement of 100m of sewer main</td>
<td>Sep-19</td>
<td>Nil</td>
<td>On track</td>
<td>Works began 30 July 2019.</td>
</tr>
<tr>
<td>31</td>
<td>$10,000</td>
<td>New water restriction signage</td>
<td>UHSC</td>
<td>New water restriction signage for all serviced villages in the Shire</td>
<td>Aug-19</td>
<td>Nil</td>
<td>On track</td>
<td>Signs designed and ordered. Installation to be completed before September 2019.</td>
</tr>
</tbody>
</table>
ISC.08.2  WORKS PROGRAM - INFRASTRUCTURE SERVICES

RESPONSIBLE OFFICER: Nicholas Havyatt - Director Infrastructure Services

AUTHOR: Andrew Griffith - Manager Works Delivery

PURPOSE

The purpose of the report is to provide an update on the Works Delivery Program undertaken over the previous month and that planned for the upcoming month.

RECOMMENDATION

That the Committee receive the report and note the information.

BACKGROUND

The report includes information on Infrastructure Services work including roads, bridges, and parks. The report provides information to assist in addressing enquiries regarding construction and maintenance works.

REPORT/PROPOSAL

Some of the major projects currently under construction or planned are:

- Regional Roads
  - MR358 Willow Tree Road upgrade (Stage 1 and 2)
  - MR105 Hunter Road - Kelly’s Gully to Waverley Road rehabilitation (Stage 2 and 3)
  - MR105 Hunter Road – Cooks Gap to Long Flat
- Saleyards
- Kingdon Street, Scone stormwater upgrade

MR358 Coulson Creek Road (Willow Tree Road) Initial Seal and Widening

This project is a joint project between Upper Hunter Shire Council (UHSC) and Liverpool Plains Shire Council (LPSC)

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approved Grant</td>
<td>$12,161,750</td>
<td>UHSC 79% LPSC 21%</td>
</tr>
<tr>
<td>UHSC budget</td>
<td>$9,607,782</td>
<td></td>
</tr>
<tr>
<td>Expenditure to date</td>
<td></td>
<td>(2019/20)</td>
</tr>
<tr>
<td></td>
<td>$106,253</td>
<td></td>
</tr>
<tr>
<td></td>
<td>$5,350,653</td>
<td>(2018/19)</td>
</tr>
<tr>
<td></td>
<td>$3,006,339</td>
<td>(2017/18)</td>
</tr>
<tr>
<td></td>
<td>$201,741</td>
<td>(2016/17)</td>
</tr>
<tr>
<td>Commitments</td>
<td>$493,659</td>
<td>31 July 2019</td>
</tr>
<tr>
<td>Available budget</td>
<td>$449,157</td>
<td>31 July 2019</td>
</tr>
</tbody>
</table>

In mid-July Council sealed the final 2km section of stage 2 effectively completing Councils pavement works component of the project (noting we are still assessing a small section of the works relating to potential adjustments).
During August Council are scheduled to complete the remaining finishing works including roadside assets (safety barrier), scour and erosion protection (including concrete causeways) and delineation (signs, guideposts and lines).

As at the date of this report the project is maintaining scheduled progress towards an August 2019 completion and is forecast to be delivered within budget, despite significant delay and expenditure relating to a large amount of additional earthworks and encountering adverse ground conditions (hard rock and unsuitable soil).

To highlight the impacts, Council’s budgeted contingency of $1.25 million ($416,850 - stage 1, and $831,600 – stage 2) was fully exhausted on earthworks (including time related costs). This presented significant challenges in terms of cost control for the other elements of the project.

Key activities undertaken last month:
- Stage 1:
  - Commencement of concrete causeways

- Stage 2 widening of Liverpool Range:
  - Sealing the remaining 2km section;
  - Commencement of safety barrier installation;
  - Drainage and erosion protection works.

Key activities in next three months:
- Completion of concrete causeways, roadside assets and delineation; and
- Practical completion.

Emerging issues:
- With the project approaching completion a high emphasis is being given to monitoring the program and budget to ensure the project is delivered on time, within budget and meeting quality expectations.
- Commissioning activities including a third party road safety audit could identify unexpected or costly items that need further attention.

**MR105 Hunter Road - Kelly’s Gully to Waverley Road Rehabilitation (Stage 2 and 3)**

Council maintains a network of restricted vehicle access routes that provide a strategic connection that create links to places of significant regional and interstate importance. Much of this road network has pavement with inadequate strength to support the large volume of heavy vehicles using the network, including B-Doubles.

Council’s Strategic Assets team have developed an upgrade project for Hunter Road between Kelly’s Gully and Waverley Road (approximately 4km). The project consists of drainage culvert upgrades and minor formation earthworks, followed by a pavement overlay and seal.

Council completed construction on Stage 1 (1km) of this project in the 2018-19 financial year. Council have allocated approximately $985,000 in the 2019-20 financial year towards progressing the remaining 3km.

A detailed estimate has been prepared based on the developed design which indicates a total project cost of approximately $1,250,000 to complete the remaining 3km. This exceeds the committed funding of $985,000.
To address the insufficient funding the following three options were considered:

1. Do nothing.
2. Revise scope to deliver highest priority sections within budget.
3. Staged completion with additional funding to be sort to complete the full scope.

Option 1 is not recommended as the deteriorating pavement condition needs to be addressed.

Option 3 consists of completing all of the formation earthworks, drainage structures and a portion of the pavement work leaving only a simple overlay to be completed once funding becomes available. This option is not recommended as it requires Council to allocate additional funding to completion of the project that is not currently identified in the Operational and delivery plan.

Option 2 consists of separating out the poorest condition sections within the developed design and delivering. This is the preferred option as it will address the high priority pavement issues whilst also being completed within the available funding.

The planned delivery staging is to complete the initial 800m section commencing from the transition from Waverley Street to Hunter Road (north of Gundy township). The anticipated cost of this section will be $570,000, consisting of:

- $420,000 – formation earthworks, drainage and pavement overlay
- $150,000 – Bridge size culvert at chainage 40

Where possible local gravel sources will be used for general fill, and select fill. To prevent early pavement failure a higher quality material for the pavement course(s) is required. Recent testing of stockpiled material at local sources including Mitchell’s pit indicate this material is not suitable for use in these pavement. These test results are supported by recent empirical evidence of pavement failures where this material has been used in pavement courses.

Considering the approximately 2,800 tonnes required for the pavement course in the proposed 800m section. Sourcing material that complies with the pavement specification from Willow Tree instead of Mitchell’s pit results in an apparent additional cost of approximately $50,000. However it is important to consider whole of life cost in assessing best value for money. Council design our pavement rehabilitations for a minimum life of 20 years (preferably 40 years). Assessing from recent pavement performance using Mitchells gravel in the pavement course would result in an additional cost of $50,000 - $250,000 over the life of the pavement.

Council anticipate commencement of works in late August. Available funding is as follows

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>UHSC budget</td>
<td>$984,346</td>
</tr>
<tr>
<td>Expenditure to date</td>
<td>$0</td>
</tr>
<tr>
<td>Commitments</td>
<td>$0</td>
</tr>
<tr>
<td>Available budget</td>
<td>$984,346</td>
</tr>
</tbody>
</table>

Key activities undertaken last month:
- Developed proposed construction methodology and project staging

Key activities in next three months:
- Resolve final scope and staging; and
- Commence construction.
Emerging issues:
- Preliminary estimates indicate the remaining 3 km cannot be delivered within the available funding. As identified above it is proposed to reduce the scope to be delivered to the higher priority sections.

**MR105 Hunter Road – Cooks Gap to Long Flat**
As with the Kelly’s Gully to Waverley Road Rehabilitation, Hunter Road forms part of Council’s network of restricted vehicle access routes that provide a strategic connection that create links to places of significant regional and interstate importance. Much of this road network has pavement with inadequate strength to support the large volume of heavy vehicles using the network, including B-Doubles.

Council’s strategic assets team have developed an upgrade project for Hunter Road between Cooks Gap and Long Flat (approximately 1km). The project consists of drainage culvert upgrades and minor formation earthworks, followed by a pavement overlay and seal (including reshaping of a pull-off area).

Council commenced construction of this project in May 2019. The project in now complete, with the works sealed 28 June 2019.

Council worked to find efficiencies and savings after initial estimates forecast an overrun of $30-50,000, this is discussed further in the emerging issues. Available funding is as follows:

<table>
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</tr>
</thead>
<tbody>
<tr>
<td>UHSC budget</td>
<td>$300,000</td>
</tr>
<tr>
<td>Expenditure to date</td>
<td>$266,021</td>
</tr>
<tr>
<td>Commitments</td>
<td>$49,821</td>
</tr>
<tr>
<td>Available budget</td>
<td>$-15,842</td>
</tr>
</tbody>
</table>

Key activities undertaken last month:
- Project completion.

Key activities in next three months:
- Project completion review including assessment of performance against key performance indications of time, cost and quality.

Emerging issues:
- Based on committed costs an overrun of approximately $15,842 (5%) is forecast. It is proposed this overrun will be funded from regional roads capital maintenance budget.

**Kingdon Street Stormwater Upgrade (Fig Tree Gully to the Railway Line)**
As part of Council’s ongoing urban stormwater improvement program, Council are constructing approximately 200m of new reinforced concrete stormwater drainage pipes.

The new network is located along Kingdon Street between the railway line and Fig Tree Gully. The new pipe network alignment is down the middle of the road pavement which will require a road closure and associated localised pavement rehabilitation following trenching of the pipes.

Construction commenced in June with the project scheduled for completion by Mid-August 2019. Expenditure is forecast to be within the budget allowance as identified below:
UHSC budget $ 165,000
ATRC Contribution $ 100,000
Expenditure to date $ 147,798
Commitments $ 70,898 31 July 2019
Available budget $ 46,304 31 July 2019

Key activities undertaken last month:
- Completion of drainage network.

Key activities in next three months:
- Completion of intersection upgrade; and
- Project completion review including assessment of performance against key performance indications of time, cost and quality.

Emerging issues:
- No significant issues identified to date.

OPTIONS
- Nil

CONSULTATION
- General Manager
- Director Infrastructure Services
- Infrastructure Services Managers
- Supervisors and Team Leaders

STRATEGIC LINKS

a. Community Strategic Plan 2027
This report links to the Community Strategic Plan 2027 as follows:

COMMUNITY LIFE
- Goal 1 A supported Community.
  - CS1 Advocate for, develop and implement programs, services and facilities for our ageing Community.
  - CS3 Advocate for, support and provide series and facilities for young people, children, families and people with a disability.

- Goal 2 Promote wellbeing and a connected, healthy and happy Community.
  - CS7 Provide and support a broad range of sport, recreation, health and wellness programs to target age specific needs of residents including younger children, adolescents, families, seniors and people with a disability.

BUILT & NATURAL ENVIRONMENT
- Goal 3 Protect the natural Environment
  - CS10 Advocate for, facilitate and support programs that protect and sustain our diverse environment for our future generations.
  - CS11 Encourage and support active Community participation within our Community to care for our environment and provide for a sustainable future.
Goal 4  Plan for a sustainable future.
   CS13  Implement and regularly review Strategic Land Use Plans, Environmental Planning Instruments and Development Controls, which reflect the needs and expectations of the broad Community.
   CS15  Plan, facilitate and provide for a changing population for current and future generations.

ECONOMY & INFRASTRUCTURE
Goal 5  A sustainable and prosperous economy.
   CS18  Encourage a diverse economy whilst promoting and preserving our agriculture and equine industries.
   CS19  Encourage retail and commercial business to locate and prosper within our Shire.
   CS20  Encourage and support innovative industry and a diversity of businesses that provide a range of services and employment opportunities for current and future generations.
   CS22  Provide attractive and functional town centres and support revitalisation of towns and villages including investment in built heritage and improvement of existing buildings.

Goal 6  Increase, enhance and maintain civil infrastructure, Community assets and open spaces to meet the needs of current and future generations.
   CS24  Provide for replacement, improvement and additional Community and open space infrastructure through investment, best practice and risk management.
   CS25  Provide inviting public spaces that are clean, green, properly maintained, well designed, encourage active participation, family friendly and accessible to all.

Goal 7  Enhance and improve the road network and bridges to meet the needs of current and future generations and communicate priorities and progress to the Community.
   CS10  Advocate for, facilitate and support programs that protect and sustain our diverse environment for our future generations.
   CS27  Maintain and upgrade the road network and bridges.
   CS28  Increased Community engagement and updates on infrastructure planning, road priorities, works and improvements.
   CS29  Advocate, facilitate and/or provide traffic management and public transport facilities to meet the needs of the Community.

LEADERSHIP
Goal 8  Provide Community leadership.
   CS30  Effectively and efficiently manage the business of Council, while encouraging an open and participatory Council with an emphasis on transparency, Community engagement, action and response.
   CS33  Utilise emerging innovative communication technologies and techniques to increase awareness of Council’s activities and services.

Goal 9  Advocate for the Community.
   CS40  Encourage and build strong partnerships between the Community, business and all levels of government support implementation of the CSP 2027 and to deliver the Community priorities.
   CS41  To participate and encourage regional coordination and planning between Councils and other generations.
CS42  Provide timely and effective advocacy and leadership on key community issues and priorities.

We are working to achieve the following Community Priorities:

- Well maintained, safe, reliable and additional infrastructure, including sporting fields, parks, family and cultural facilities.

- Rural lifestyle and Country feel are valued and protected and the Upper Hunter Shire remains quiet, safe, healthy and welcoming.

- A stronger economic base to attract and retain residents, particularly our young people.

- Increase focus on local business, shop occupation and revitalisation of the Town Centres.

- Upper Hunter Shire Council demonstrates it is Fit for the Future and can meet all State Government indicators for financial stability.

- Upper Hunter Shire Council is an effective and efficient organisation, focusing on community engagement, action and response.

- Upper Hunter Shire has improved and well maintained roads and bridges.

- Protect the natural environment.
b. Delivery Program

The report addresses the following objectives up to June 2020 as described in the 2019/20 DPOP:

**Depot Operations**
- By ensuring Council has efficient and effective facilities at each of its depots.

**Private Works**
- By providing all residents access to Council private works at commercial rates.

**Stormwater**
- Through the provision of a stormwater drainage systems to manage flows.
- Through the provision of a kerb and gutter networks as an adjunct to the drainage network.
- By maintaining flow conditions in main creeks.

**Street Cleaning**
- By providing clean local roads while minimising environmental and flooding risks.

**Public Cemeteries**
- By the provision of a cost effective and sympathetic cemetery service and facility to the community.

**Public Conveniences**
- By providing and maintaining public toilets for the local community and travelling public to a satisfactory and acceptable standard.
- By improving the appearance and presentation of public toilets.

**Street Lighting**
- By promoting safe vehicular and pedestrian passage at night with adequate lighting in residential and arterial roads in accordance with Australian Standards.

**Quarry Operations**
- By effectively and responsibly managing, maintain and developing Council’s quarry operations.
- Through winning, producing and supplying quality road making materials for internal and external works at a competitive cost.
- By the safe operation of Council’s quarries to meet legislative requirements.

**Parks & Gardens**
- By providing quality open spaces, parks and reserves that are suitable and accessible for the community.
Sporting Grounds & Venues
- By providing high-quality sporting grounds and venues suitable and accessible to all.

Swimming Pools
- By providing recreational facilities for the Upper Hunter community, which are operated in a safe, efficient and effective manner.

Bridges – Local
- By undertaking bridge maintenance and construction works to Council standards and specifications, so as to improve safety and minimise future expenses.

Footpaths and Cycleways
- By providing and maintaining a cycleway / footpath network that will contribute to the accessibility, safety and amenity of streets in Council's town and villages.

RMS State Roads
- By maintaining a skilled workforce so as to remain a core service provider to the RMS.
- By demonstration that we provide a value for money service to the RMS.

Roads – Local
- By undertaking road maintenance and construction works to Council standards and specifications, so as to improve road safety and minimise future expenses.

Roads – Regional
- By undertaking road and bridge maintenance and construction works to Councils standards and specifications so as to improve road safety and minimise future expenses.

Transport Ancillaries
- By promoting traffic and pedestrian safety by the provision and maintenance of regulatory and advisory signage and pavement markings.
- By maintaining street furniture.

c. Other Plans

Asset Management Plans.

IMPLICATIONS
a. Policy and Procedural Implications

Parks, Sporting Fields, Footpath, Road and Bridge maintenance guidelines as identified within Asset Management Plans and Strategic Plans.

b. Financial Implications

Identified within individual items in the 2019/20 budgets.

c. Legislative Implications

Not applicable.
d. Risk Implications

Road and asset inspections are undertaken to mitigate and minimise Council’s risk exposure in these areas.

e. Other Implications

Nil

CONCLUSION

The updated report is provided as Attachment 1 and details work undertaken over the previous month and works planned for the upcoming month.

ATTACHMENTS

2. Works Delivery Grant Funded Works Update - August 2019
Works Delivery Works in Progress for Scone, Murrurundi & Merriwa – July/August 2019

### Programmed Construction Works

<table>
<thead>
<tr>
<th>Location</th>
<th>Work</th>
<th>Area (Crew)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saleyards (ongoing)</td>
<td>Light Carpark</td>
<td>Scone Crew</td>
</tr>
<tr>
<td>Willow Tree</td>
<td>Causeway Construction</td>
<td>Scone Crew</td>
</tr>
<tr>
<td>Kelley's Gully</td>
<td>Drainage Works</td>
<td>Scone Crew</td>
</tr>
<tr>
<td>Willow Tree Rd Stage 2</td>
<td>Ongoing works: Willow Tree Rd is completely sealed. Guardrail installation is underway and due for completion in August. Half of two concrete causeways has been built with the causeways due for completion in August. Scour protection at Chelsea Park is underway.</td>
<td>Merriwa &amp; Scone Construction</td>
</tr>
</tbody>
</table>

### Programmed Grading Works

<table>
<thead>
<tr>
<th>Location</th>
<th>Work</th>
<th>Area (Crew)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wrights Road, Ashbrooke Road, Gateleys Road, Petwyn Vale Road, Dry Creek Road, Middlebrook Road, Middlebrook Drive, Bencool Lane, Mareeba Road.</td>
<td>Maintenance Grading</td>
<td>Scone Grader</td>
</tr>
<tr>
<td>Sandy Creek Road, Coogs Road, Tinseys Road, Green Creek Road, Timor Road, Edmonds Road, Timor Creek Road, Rileys Road.</td>
<td>Maintenance Grading</td>
<td>Murrurundi Grader</td>
</tr>
<tr>
<td>Comila Rd, Kruilays Rd, Cockatoo Gap Rd, Lettybrook Rd, Avocado Rd – Subject to water availability &amp; road condition.</td>
<td>Maintenance Grading</td>
<td>Merriwa Grader</td>
</tr>
</tbody>
</table>

### Capital Works - Complete

<table>
<thead>
<tr>
<th>Location</th>
<th>Work</th>
<th>Area (Crew)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kingdon Street Stormwater</td>
<td>Stormwater</td>
<td>Scone Crew</td>
</tr>
</tbody>
</table>

### Maintenance Grading – Complete

<table>
<thead>
<tr>
<th>Location</th>
<th>Work</th>
<th>Area (Crew)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glenalvan Road, Pages River Road, Warlands Creek Road, Haydons Woolshed Road, Parkins Road, Scotts Creek Road, Clifflands Road, Moobi Road, Yarrandi Road.</td>
<td>Maintenance Grading</td>
<td>Scone/Murrurundi Grader</td>
</tr>
<tr>
<td>Pembroke Rd, High Park Rd, Summerhill Rd</td>
<td>Maintenance Grading</td>
<td>Merriwa Grader</td>
</tr>
</tbody>
</table>
## Works Delivery Grant Funded Works Update – 31 July 2019

<table>
<thead>
<tr>
<th>Ref</th>
<th>Funding Amount</th>
<th>Funding Source</th>
<th>Project Description</th>
<th>Progress Status</th>
<th>Budget Status</th>
<th>General Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>$526,000</td>
<td>SCCF 0684</td>
<td>Wilson Memorial Oval Facilities Upgrade</td>
<td>On track</td>
<td>Within budget</td>
<td>Lighting consultant engaged, design, specification and scope complete. Preparing to go out to tender in July. Construction anticipated to commence around October 2019, with lighting upgrade to be delivered initially.</td>
</tr>
<tr>
<td>002</td>
<td>$59,515</td>
<td>SCCF 0259</td>
<td>Gundy Soldiers Memorial Hall Restoration</td>
<td>On track</td>
<td>Within budget</td>
<td>Suitably experienced and capable painter engaged. Based on painter availability and user group consultation completion is anticipated around November 2019.</td>
</tr>
<tr>
<td>003</td>
<td>$154,841</td>
<td>SCCF 0597</td>
<td>St Andrews Reserve Arena Upgrade</td>
<td>On track</td>
<td>Within budget</td>
<td>Quotations obtained by user group for arena sand and fencing. Construction anticipated to commence September 2019 (subject to events and facility bookings).</td>
</tr>
<tr>
<td>004</td>
<td>$185,000</td>
<td>SCCF 0636</td>
<td>Merriwa Showground Facilities Upgrade</td>
<td>On track</td>
<td>Within budget</td>
<td>Irrigation design complete. Tank and irrigation to be delivered first with remaining budget used for amenities. Works anticipated to commence September 2019 (subject to user group consultation).</td>
</tr>
<tr>
<td>005</td>
<td>$124,229</td>
<td>SCCF 0647</td>
<td>Jefferson Park Facility Upgrade</td>
<td>On track</td>
<td>Within budget</td>
<td>Preconstruction activities including drafting and structural design underway. Construction anticipated to commence Early 2020.</td>
</tr>
</tbody>
</table>
### Works Delivery Grant Funded Works Update – 31 July 2019

<table>
<thead>
<tr>
<th>Ref</th>
<th>Funding Amount</th>
<th>Funding Source</th>
<th>Project</th>
<th>Summary Scope / deliverables</th>
<th>Progress Status</th>
<th>Budget Status</th>
<th>General Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>006</td>
<td>$291,329</td>
<td>SCCF 0945</td>
<td>Merriwa Skate Park Upgrade</td>
<td>Construct new skate bowl and new amenities block with utility connections.</td>
<td>On track</td>
<td>Within budget</td>
<td>Preconstruction activities including drafting and structural design underway. Amenities anticipated to commence construction early 2020.</td>
</tr>
<tr>
<td>007</td>
<td>$243,750</td>
<td>SCCF 1002</td>
<td>Scone Park Field Upgrade</td>
<td>New irrigation and pop-up sprinklers. Top dress, level and seed playing surface.</td>
<td>On track</td>
<td>Amber Flag</td>
<td>Irrigation design complete with quotations to be issued August 2019. Construction anticipated to commence October 2019 following the football season.</td>
</tr>
<tr>
<td>008</td>
<td>$261,000</td>
<td>SCCF 1051</td>
<td>Merriwa Oval Upgrade</td>
<td>Upgrade existing canteen, change rooms and amenities. Upgrade lighting lamps. Top dress, level and seed playing surface.</td>
<td>On track</td>
<td>Amber Flag</td>
<td>Preconstruction activities including drafting and structural design underway. Construction anticipated to commence September 2019 following the football season.</td>
</tr>
<tr>
<td>009</td>
<td>$137,600</td>
<td>SCCF 1067</td>
<td>Harrison Oval Upgrade</td>
<td>New irrigation and pop-up sprinklers. Top dress, level and seed playing surface.</td>
<td>On track</td>
<td>Amber Flag</td>
<td>Draft irrigation design complete. Seeking quotation for installation. Construction anticipated to commence early 2020 (user group consultation will confirm the preferred construction window).</td>
</tr>
<tr>
<td>011</td>
<td>$164,370</td>
<td>SCCF 1102</td>
<td>Scone Gymnastics Centre Refurbishment</td>
<td>Upgrade existing hall including refurbishment of existing building / facilities.</td>
<td>On track</td>
<td>Within budget</td>
<td>Consultant engaged to complete design/drafting. Construction anticipated to commence late 2019.</td>
</tr>
</tbody>
</table>
### Works Delivery Grant Funded Works Update – 31 July 2019

<table>
<thead>
<tr>
<th>Ref</th>
<th>Funding Amount</th>
<th>Funding Source</th>
<th>Project Description</th>
<th>Summary Scope / deliverables</th>
<th>Progress Status</th>
<th>Budget Status</th>
<th>General Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>013</td>
<td>$109,517</td>
<td>PRMFP</td>
<td>Merriwa Showground-amenity block</td>
<td>New amenities block with utility connections and LED lighting.</td>
<td>On track</td>
<td>Within budget</td>
<td>To be delivered in sequence with Stronger Country Communities grant above ($185,000).</td>
</tr>
<tr>
<td>014</td>
<td>$40,000</td>
<td>DCP</td>
<td>Merriwa Youth Centre Maintenance</td>
<td>General maintenance to building and facilities.</td>
<td>On track</td>
<td>Within budget</td>
<td>Complete.</td>
</tr>
<tr>
<td>015</td>
<td>$59,000</td>
<td>DCP</td>
<td>Disabled toilet access Marrurundi library</td>
<td>New accessible toilets to be constructed.</td>
<td>On track</td>
<td>Within budget</td>
<td>Complete.</td>
</tr>
<tr>
<td>016</td>
<td>$280,000</td>
<td>DCP</td>
<td>White Park Scone bar &amp; shed</td>
<td>Construct new bar facility to support White Park operations.</td>
<td>On track</td>
<td>Within budget</td>
<td>Complete.</td>
</tr>
<tr>
<td>018</td>
<td>$84,000</td>
<td>DCP</td>
<td>Shade sale Merriwa/Scone</td>
<td>New shade sales to be installed at the lower end of the Scone and Merriwa pools.</td>
<td>On track</td>
<td>Within budget</td>
<td>Complete.</td>
</tr>
<tr>
<td>019</td>
<td>$122,000</td>
<td>DCP</td>
<td>Merriwa Tennis Courts</td>
<td>Rehabilitation of tennis court surfaces.</td>
<td>On track</td>
<td>Within budget</td>
<td>Complete.</td>
</tr>
<tr>
<td>021</td>
<td>$60,000</td>
<td>DCP</td>
<td>Scone pool painting</td>
<td>Painting of the deep end of the pool including repairs to fibreglass and concrete shell.</td>
<td>On track</td>
<td>Within budget</td>
<td>Complete.</td>
</tr>
</tbody>
</table>
## Works Delivery Grant Funded Works Update – 31 July 2019

<table>
<thead>
<tr>
<th>Ref</th>
<th>Funding Amount</th>
<th>Funding Source</th>
<th>Project</th>
<th>Summary Scope / deliverables</th>
<th>Progress Status</th>
<th>Budget Status</th>
<th>General Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>022</td>
<td>$145,000</td>
<td>L&amp;G</td>
<td>Bill Rose playground upgrade</td>
<td>Construct new playground, bike track, outdoor gym, shade sales and BBQ area</td>
<td>On track</td>
<td>Within budget</td>
<td>Delivery due by Jan 2021. SCCF and Drought projects to be prioritised.</td>
</tr>
<tr>
<td>023</td>
<td>$175,000</td>
<td>L&amp;G</td>
<td>Bill Rose cricket nets</td>
<td>Remove existing cricket nets, construct 6 new cricket nets, fully fenced and roof over all</td>
<td>On track</td>
<td>Within budget</td>
<td>Delivery due by Jan 2021. SCCF and Drought projects to be prioritised.</td>
</tr>
</tbody>
</table>
ISC.08.3

SPECIAL PROJECTS UPDATE

RESPONSIBLE OFFICER: Nicholas Havyatt - Director Infrastructure Services

AUTHOR: Alan Fletcher - Special Projects Manager

PURPOSE

The purpose of this report is to provide an update on the projects being managed by the Special Projects Team.

RECOMMENDATION

That Council receive the report and note the information.

BACKGROUND

The report provides information to assist the Committee to understand the current status of each of the projects, what work has recently been completed, and the work that is planned for the next three months.

REPORT/PROPOSAL

Scone Regional Selling Centre – Saleyards Redevelopment

Approved total budget $11,818,270
Expenditure to date

<table>
<thead>
<tr>
<th>Year</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017/18</td>
<td>$565,445</td>
</tr>
<tr>
<td>2018/19</td>
<td>$7,241,384</td>
</tr>
<tr>
<td>2019/20</td>
<td>$127,722</td>
</tr>
</tbody>
</table>

Commitments $2,858,494 31 July 2019
Available budget $1,025,225

Excludes additional scope of work for additional roofed area over loading ramps (Stage 5A). This is estimated at an additional $200,000 as approved by Council at the meeting on the 29 July 2019.

Key activities undertaken last month:
- Construction of Stages 4, 5 and 6 (second major shed area) steel framework nearing completion, roofing commenced.
- Stages 4, 5 and 6 yard works commenced.
- Sewer works and rail under bore completed.
- Light vehicle carpark sealed.
- B-Double loading ramp modifications completed.
- Fire service, booster pipework, diesel engine and booster pump installed.

Key activities in next three months:
- Light vehicle carpark line marking, fencing, tree guards and signs.
- Complete heavy vehicle carpark works i.e. concrete V drain, patching and reseal works.
Infrastructure Services

- Electrical works.
- Shed and yard works.
- Ramp works.
- Finalise the selling ring upgrade design. Access issues have been identified and design work underway.

Emerging issues:
- Nil

Old Court Theatre – Design and Consents

<table>
<thead>
<tr>
<th>Approved total budget</th>
<th>$260,399 (Revised)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expenditure to date</td>
<td></td>
</tr>
<tr>
<td>$7,108</td>
<td>(2017/18)</td>
</tr>
<tr>
<td>$21,917</td>
<td>(2018/19)</td>
</tr>
<tr>
<td>$1,453</td>
<td>(2019/20)</td>
</tr>
<tr>
<td>Commitments</td>
<td>$199,200</td>
</tr>
<tr>
<td>Available budget</td>
<td>$30,721</td>
</tr>
<tr>
<td></td>
<td>31 July 2019</td>
</tr>
</tbody>
</table>

Key activities undertaken last month:
- Heritage advisor finalising report to obtain Section 60 approval under the Heritage Act 1977 as required in DA conditions.

Key activities in next three months:
- Commence building work to the limit of budget. Building contractor ready to commence work. Likely commencement date September 2019.

Emerging issues:
- Nil

Scone CBD Revitalisation – Detail Design

<table>
<thead>
<tr>
<th>Approved total budget</th>
<th>$981,750</th>
</tr>
</thead>
<tbody>
<tr>
<td>Expenditure to date</td>
<td></td>
</tr>
<tr>
<td>$30,207</td>
<td>(2017/18)</td>
</tr>
<tr>
<td>$73,016</td>
<td>(2018/19)</td>
</tr>
<tr>
<td>$692</td>
<td>(2019/20)</td>
</tr>
<tr>
<td>Commitments</td>
<td>$48,124</td>
</tr>
<tr>
<td>Available budget</td>
<td>$829,711</td>
</tr>
<tr>
<td></td>
<td>31 July 2019</td>
</tr>
</tbody>
</table>

Key activities undertaken last month:
- Council representatives met with RMS Regional Manager to discuss Scone CBD Revitalisation project, road classification, extent of proposed RMS funded work. Additional meeting planned for 6 August.
- The Civil Engineer designer has progressed work to the point where advice on road classification and extent of RMS works is required for the stormwater and road design is required to progress the design.
- Landscape design completed to 70%. Co-ordination of the landscape design and the civil design required. Landscape Architect requires advice on road classification and extent of RMS works to allow the stormwater and road design to progress which in turn will allow the landscape design to progress.
Infrastructure Services

Key activities in next three months:
- Completion of detailed landscape design and associated civil design work.
- Complete additional design, studies and reports i.e. electrical design, traffic report, quantity surveyor and review of environmental effects.
- Consultation with major stakeholders.
- Progress community consultation on the treatment of Liverpool & Kelly Street intersection (traffic lights or roundabout) as a priority to guide the design.

Emerging issues:
- Need to firm up road classification and extent of RMS Kelly St CBD works to allow the design to progress.
- Council seeking funding to complete the remainder of the project.

133 Kelly Street Redevelopment

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approved total budget</td>
<td>$600,000</td>
</tr>
<tr>
<td>Expenditure to date</td>
<td>$3,689 (2018/19)</td>
</tr>
<tr>
<td>Expenditure year to date</td>
<td>$0 (2019/20)</td>
</tr>
<tr>
<td>Commitments</td>
<td>$1,800 (31 July 2019)</td>
</tr>
<tr>
<td>Available budget</td>
<td>$594,511</td>
</tr>
</tbody>
</table>

Key activities undertaken last month:
- Heritage advisor engaged to finalise heritage requirements for demolition and rebuild for DA consent
- Hazardous building materials report completed
- Met with builders on site to discuss demolition and rebuild process and costs.

Key activities in next three months:
- Finalise DA/CC consents
- Obtain quantity surveyor's report to firm up costs.
- Have discussions with Manager Business Services regarding lease of 34.2m² shop front.
- Report to Infrastructure Services Committee on proposed way forward with the project.

Omadale Brook Bridge Replacement

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approved Budget</td>
<td>$1,917,260</td>
</tr>
<tr>
<td>Expenditure to date</td>
<td>$45,616 (2018/19)</td>
</tr>
<tr>
<td>Expenditure year to date</td>
<td>$188 (2019/20)</td>
</tr>
<tr>
<td>Commitments</td>
<td>$2,438 (31 July 2019)</td>
</tr>
<tr>
<td>Available budget</td>
<td>$1,869,018</td>
</tr>
</tbody>
</table>

Key activities since last month:
- Adjust concept design to include recommendations from the water way report.

Key activities in the next three months:
- Completion of tender documents 1,800
- Advertise tender.
Emerging Issues

- Nil

OPTIONS

1. Adopt the recommendations.
2. Amend the recommendations.

CONSULTATION

- Director Infrastructure Services
- Manager Special Projects
- Manager Strategic Assets
- Manager Water & Sewer
- Manager Works Delivery

STRATEGIC LINKS

a. Community Strategic Plan 2027

This report links to the Community Strategic Plan 2027 as follows:

BUILT & NATURAL ENVIRONMENT

Goal 3  Protect the natural Environment
CS10  Advocate for, facilitate and support programs that protect and sustain our diverse environment for our future generations.

Goal 4  Plan for a sustainable future.
CS15  Plan, facilitate and provide for a changing population for current and future generations.

ECONOMY & INFRASTRUCTURE

Goal 7  Enhance and improve the road network and bridges to meet the needs of current and future generations and communicate priorities and progress to the Community.
CS28  Increased Community engagement and updates on infrastructure planning, road priorities, works and improvements.
CS29  Advocate, facilitate and/or provide traffic management and public transport facilities to meet the needs of the Community.

LEADERSHIP

Goal 8  Provide Community leadership.
CS30  Effectively and efficiently manage the business of Council, while encouraging an open and participatory Council with an emphasis on transparency, Community engagement, action and response.
CS33  Utilise emerging innovative communication technologies and techniques to increase awareness of Council’s activities and services.

Goal 9  Advocate for the Community.
CS42  Provide timely and effective advocacy and leadership on key community issues and priorities.
We are working to achieve the following Community Priorities

- A stronger economic base to attract and retain residents, particularly our young people.
- Increase focus on local business, shop occupation and revitalisation of the Town Centres.
- Protect the natural environment.
- Upper Hunter Shire has improved and well maintained roads and bridges.
- Rural lifestyle and Country feel are valued and protected and the Upper Hunter Shire remains quiet, safe, healthy and welcoming.
- Upper Hunter Shire Council is an effective and efficient organisation, focusing on community engagement, action and response.

b. Delivery Program

The report addresses the following objectives for works to 30 June 2020 as described in the 2019/20 DPOP.

Bridges
By undertaking bridge maintenance and construction works to Council standards and specifications so as to improve safety and minimise future expenses

Local Roads
Undertake road maintenance and construction works to Council. Standards and specifications so as to improve road safety and minimise future expenses.

Regional Roads
To undertake roads and bridge maintenance and construction works to Council’s standards and specifications so as to improve road safety and minimise future expenses.
Stormwater
To provide stormwater drainage systems to manage flows.

Water Supplies
To provide an adequate and secure potable water supply to recognised standards in defined areas on a cost effective basis.

Sewage Services
To maintain a sewage system for the transportation and treatment of sewage to licence requirements and encourage appropriate further expansion of services.

c. Other Plans
Council’s Asset Management Plan list projects for the development of the Capital Works Program.

IMPLICATIONS
a. Policy and Procedural Implications
Nil

b. Financial Implications
All works have been budgeted for in accordance with the Delivery Program and Operational Plan (DPOP) 2019/20.

c. Legislative Implications
Due to the value of the projects being over $150,000 the tendering provisions of the Local Government Act 1993 and the Local Government (General) Regulation 2005 apply.

The two sewerage scheme projects, the Scone Sewerage Treatment Plant Augmentation and Cassilis Sewerage Scheme require State Government approval under Section 60 of the Local Government Act 1993.

d. Risk Implications
Implementation of a project management framework will assist with project management completion of capital projects. Completion of these capital works projects assists Council to mitigate their risk exposure.

e. Other Implications
Nil

CONCLUSION
The Special Projects update report provides Councillors with a review of progress of the projects and emerging issues.

ATTACHMENTS
Nil.
ISC.08.4  CAPITAL WORKS UPDATE

RESPONSIBLE OFFICER: Nicholas Havyatt - Director Infrastructure Services

AUTHOR: Nicholas Havyatt - Director Infrastructure Services

PURPOSE

The purpose of this report is to provide an update on capital works projects within the 2019/2020 budgetary period.

RECOMMENDATION

That the Committee receive the report and note the information.

BACKGROUND

In association with the 2019/20 Delivery Program and Operational Plan, a schedule of the planned capital works has been prepared. Budget holders have been asked to identify when the project is planned to be delivered.

REPORT/PROPOSAL

The spreadsheet provided under separate cover shows the expenditure up to the end of July 2019.

Key projects currently include:

- Willow Tree Road Construction
- Saleyards
- Murrurundi Water Pipeline

OPTIONS

1. By receiving and noting the capital works update, Council is advised of works progress and associated works scheduling.
2. Councillors may seek adjustments to works timing and priorities where identified.

CONSULTATION

- Director Infrastructure Services
- Manager Works Delivery
- Manager Strategic Assets
- Manager Water & Sewer
- Manager Special Projects

STRATEGIC LINKS

a. Community Strategic Plan 2027

This report links to the Community Strategic Plan 2027 as follows:
COMMUNITY LIFE
Goal 1  A supported Community.
    CS1 Advocate for, develop and implement programs, services and facilities for our ageing Community.
    CS3 Advocate for, support and provide series and facilities for young people, children, families and people with a disability.

Goal 2  Promote wellbeing and a connected, healthy and happy Community.
    CS7 Provide and support a broad range of sport, recreation, health and wellness programs to target age specific needs of residents including younger children, older children, adolescents, families, seniors and people with a disability.

BUILT & NATURAL ENVIRONMENT
Goal 3  Protect the natural Environment
    CS10 Advocate for, facilitate and support programs that protect and sustain our diverse environment for our future generations.

Goal 4  Plan for a sustainable future.
    CS15 Plan, facilitate and provide for a changing population for current and future generations.

ECONOMY & INFRASTRUCTURE
Goal 6  Increase, enhance and maintain civil infrastructure, Community assets and open spaces to meet the needs of current and future generations.
    CS24 Provide for replacement, improvement and additional Community and open space infrastructure through investment, best practice and risk management.
    CS25 Provide inviting public spaces that are clean, green, properly maintained, well designed, encourage active participation, family friendly and accessible to all.
    CS26 Provide safe and reliable water and sewerage services to meet the demands of current and future generations.

Goal 7  Enhance and improve the road network and bridges to meet the needs of current and future generations and communicate priorities and progress to the Community.
    CS10 Advocate for, facilitate and support programs that protect and sustain our diverse environment for our future generations.
    CS27 Maintain and upgrade the road network and bridges.
    CS28 Increased Community engagement and updates on infrastructure planning, road priorities, works and improvements.
    CS29 Advocate, facilitate and/or provide traffic management and public transport facilities to meet the needs of the Community.

LEADERSHIP
Goal 8  Provide Community leadership.
    CS30 Effectively and efficiently manage the business of Council, while encouraging an open and participatory Council with an emphasis on transparency, Community engagement, action and response.
    CS33 Utilise emerging innovative communication technologies and techniques to increase awareness of Council’s activities and services.
Goal 9  Advocate for the Community.
CS40  Encourage and build strong partnerships between the Community, business and all levels of government support implementation of the CSP 2027 and to deliver the Community priorities.
CS41  To participate and encourage regional coordination and planning between Councils and other generations.
CS42  Provide timely and effective advocacy and leadership on key community issues and priorities.

We are working to achieve the following Community Priorities:

- Well maintained, safe, reliable and additional infrastructure, including sporting fields, parks, family and cultural facilities.
- Upper Hunter Shire Council is an effective and efficient organisation, focusing on community engagement, action and response.
- Rural lifestyle and Country feel are valued and protected and the Upper Hunter Shire remains quiet, safe, healthy and welcoming.
- Upper Hunter Shire has improved and well maintained roads and bridges.
- Increase focus on local business, shop occupation and revitalisation of the Town Centres.
- A stronger economic base to attract and retain residents, particularly our young people.
- Protect the natural environment.
b. Delivery Program

The report addresses the following objectives for works up to 30 June 2020 as described in the 2019/20 DPOP.

Stormwater
- Through the provision a stormwater drainage systems to manage flows.
- Through the provision of a kerb and gutter networks as an adjunct to the drainage network.
- By maintaining flow conditions in main creeks.

Parks & Gardens
- By providing quality open spaces, parks and reserves that are suitable and accessible for the community.

Sporting grounds & Venues
- By providing high-quality sporting grounds and venues suitable and accessible to all.

Swimming Pools
- By providing recreational facilities for the Upper Hunter community, which are operated in a safe, efficient and effective manner.

Bridges – Local
- By undertaking bridge maintenance and construction works to Council standards and specifications, so as to improve safety and minimise future expenses.

Footpaths and Cycleways
- By providing and maintaining a cycleway / footpath network that will contribute to the accessibility, safety and amenity of streets in Council's town and villages.

Roads – Local
- By undertaking road maintenance and construction works to Council standards and specifications, so as to improve road safety and minimise future expenses.

Roads – Regional
- By undertaking road and bridge maintenance and construction works to Councils standards and specifications so as to improve road safety and minimise future expenses.

Transport Ancillaries
- By promoting traffic and pedestrian safety by the provision and maintenance of regulatory and advisory signage and pavement markings.
- By maintaining street furniture.
Infrastructure Services

Water Services
- By providing an adequate and secure potable water supply to recognise standards in defined areas on a cost effective basis.

Sewage Services
- By maintain sewerage systems for the transportation and treatment of sewage to meet licence requirements.
- By implementing long-term asset replacement strategy.

c. Other Plans

Many projects are identified within Community Plans, Emergency Plans or Specific Operational Plans.

Council’s Asset Management Plans are also reference documents for the development of the capital works program.

IMPLICATIONS

a. Policy and Procedural Implications

Some projects involve grant funds, community donations or use other funding sources such as R2R funds and section 94 contributions.

Expenditure of these funds is in accordance with relevant policies and legislative requirements.

b. Financial Implications

All works have been budgeted for in accordance with the Delivery Program and Operational Plan (DPOP) 2019/20.

c. Legislative Implications

Not applicable.

d. Risk Implications

The correct planning and completion of capital projects assists Council to mitigate their risk exposure.

e. Other Implications

Not applicable.

CONCLUSION

The capital works update report provides Councillors with a review of the progress of capital works for the 2019/20 financial year.

ATTACHMENTS

Nil.
ISC.08.5 MURRURUNDI WATER UPDATE

RESPONSIBLE OFFICER: Nicholas Havyatt - Director Infrastructure Services

AUTHOR: Phillip Hood - Manager Water & Sewer

PURPOSE

The purpose of this report is to provide the Committee with an update of what works have been undertaken this month specifically in relation to the Murrurundi Water Supply.

RECOMMENDATION

That the Committee receive the report and note the information.

BACKGROUND

The Upper Hunter Region, and most of regional NSW, is currently experiencing severe drought conditions. Murrurundi is currently on Level 6 water restrictions and water supply is being maintained by water carting and supply from the Glenalvon emergency bore.

REPORT/PROPOSAL

Works/progress/issues this month includes:

- GHD continuing concept design work for the Murrurundi Reservoir, with an aim to award a D&C contract in December 2019.
- The Litree water treatment plant continues to have operational issues – with the unit out of service for most of July. This is not critical while water is being carted, but would be problematic if the dam was suddenly unavailable. Dam water would not be able to be supplied without filtration due to current algae levels. Council staff are continuing to work with Litree to address the issues.
- Glenalvon bore continues to operate well, producing consistent and good quality water.
- As at 30 June, 20.6 ML of water has been carted to Murrurundi – at a total cost of $244,389. Of this, Council is eligible for a subsidy amount from the NSW Government of $84,303 – representing only 34% of total costs.

Works to be undertaken next month:

- Council will continue to work with Litree to address remaining issues with the Litree WTP.
- Water carting to continue with no major changes anticipated between now and when the pipeline is constructed.

Current status (27/06/2019) is:

- Dam Level 3.4 m (16.7%)
- Boyd Street Pump Station supply 22 kL/d
- Glenalvon Bore Pump Station supply 111 kL/d
- Target town consumption 188 kL/d
- Actual town consumption 201 kL/d
- Water carted 100 kL/d
Summary of Murrurundi Dam algae results for July 2019:

<table>
<thead>
<tr>
<th>Date</th>
<th>Total Cyanobacteria (mm$^3$ per L)</th>
<th>WQRA Blue-Green Algae Action Flow Chart Guidelines</th>
<th>Alert Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>01/07/19</td>
<td>19.3188 29.8370</td>
<td></td>
<td>Level 3 – Very High Alert</td>
</tr>
<tr>
<td>08/07/19</td>
<td>8.5370 14.9878</td>
<td></td>
<td>Level 3 – Very High Alert</td>
</tr>
<tr>
<td>15/07/19</td>
<td>13.0865 13.5615</td>
<td></td>
<td>Level 3 – Very High Alert</td>
</tr>
<tr>
<td>22/07/19</td>
<td>7.3766 7.0035</td>
<td></td>
<td>Level 3 – Very High Alert</td>
</tr>
<tr>
<td>29/07/19</td>
<td>1.4501 1.2616</td>
<td></td>
<td>Level 2 – High Alert</td>
</tr>
</tbody>
</table>

**OPTIONS**

1. Receive the report.
2. Amend the recommendation.

**CONSULTATION**

- General Manager
- Director Infrastructure Services
- DPI Water

**STRATEGIC LINKS**

**a. Community Strategic Plan 2027**

This report links to the Community Strategic Plan 2027 as follows:

**BUILT & NATURAL ENVIRONMENT**

- Goal 4 Plan for a sustainable future.
  - CS15 Plan, facilitate and provide for a changing population for current and future generations.

**ECONOMY & INFRASTRUCTURE**

- Goal 6 Increase, enhance and maintain civil infrastructure, Community assets and open spaces to meet the needs of current and future generations.
  - CS24 Provide for replacement, improvement and additional Community and open space infrastructure through investment, best practice and risk management.
  - CS26 Provide safe and reliable water and sewerage services to meet the demands of current and future generations.

**LEADERSHIP**

- Goal 9 Advocate for the Community.
  - CS41 To participate and encourage regional coordination and planning between Councils and other generations.
  - CS42 Provide timely and effective advocacy and leadership on key community issues and priorities.
Infrastructure Services

We are working to achieve the following Community Priorities:

- Reliable and safe water supply.

b. Delivery Program

The report addresses the following objectives for works up to 30 June 2020 as described in the 2019/20 DPOP:

Water Services
- By providing an adequate and secure potable water supply to recognise standards in defined areas on a cost effective basis.

c. Other Plans

Drought Management Plan.

IMPLICATIONS

a. Policy and Procedural Implications

Nil

b. Financial Implications

These works are reactive, unplanned and subsequently not budgeted for. Funding assistance from the NSW Government has been sought to reduce the impacts on Council. Should we not receive funding then costs will be taken from the water reserves.

c. Legislative Implications

Nil

d. Risk Implications

This is an ongoing high risk situation whilst the drought conditions persist.

e. Other Implications

Nil

CONCLUSION

The situation is not yet resolved and another update will be provided next month.

ATTACHMENTS

Nil.
ISC.08.6  

SCONE TO MURRURUNDI PIPELINE MONTHLY REPORT

RESPONSIBLE OFFICER:  Nicholas Havyatt - Director Infrastructure Services

AUTHOR:  Chris Agosto - Project Manager

PURPOSE

The purpose of this report is to provide an update on the Scone to Murrurundi Pipeline project.

RECOMMENDATION

That the Committee receive the report and note the information.

BACKGROUND

This report provides information to assist the Committee to understand the current status of the project, what work has recently been completed, and the work that is forecast for the next three months, plus the revised forecast for the end of the project.

REPORT/PROPOSAL

1  Project Overview

1.1 Project Description (from Funding Agreement with Restart NSW)

Water pipeline, pump stations, balance tanks, controls and telemetry to supply Glenbawn Dam water from the existing pipeline at Scone to Murrurundi (MDI). The pipeline will also deliver drinking water to the villages of Parkville, Wingen and Blandford for future reticulation.

1.2 Project Funding

- Restart NSW – Water Security for Regions – Water Backlog $ 1,500,000
- Upper Hunter Shire Council (UHSC) - Loans $ 2,486,000
- Total Funding $15,529,000

1.3 Project Timetable

- Project Start Date: May 2015
- Proposed Completion of MDI Pipeline: Mid 2020

1.4 Award of Contract

Council accepted the tender of Leed Engineering and Construction Pty Ltd (Leed) on 14 March 2019 for the detailed design and construction of the pipeline.

2  Project Status

2.1 Key Activities Completed in the Last Month

- Further review of Leed’s Safety, Quality & Environmental Management Plans.
- Finalisation of some Deeds of Agreement for Easements and Access Agreements including JBS.
- Introductory meetings between Leed’s Project Management team, affected land owners and Council’s Project Management team.
Infrastructure Services

- Pegging of connection points for the rural connection customers.
- Survey of road reserve/property boundary along the New England Highway.
- Field inspections with Leed.
- Development of scope of work and supporting documents to tender the concept design and costing of the three villages reticulation zones.
- Continuing of review of options for Murrurundi reservoir site and size.
- Gazettal of Acquisition Notices for compulsory acquisition of easements on Crown land.

2.2 Significant Achievements in the Next 3 Months

- CHAIR 2&3 workshop will be held on the detailed design which will include a safety-in-design review as well as a hazop.
- Finalisation of Deeds of Agreement for Easements and Access Agreements.
- Development of Water Service Agreements for rural connection customers.
- Completion of negotiations with Native Title claimants on compensation for Crown land easements.
- Further introductory meetings between Leed’s Project Management team, affected land owners and Council’s Project Management team.
- Commencement of construction.
- Tendering of the concept design and costings for the three villages.
- Undertake options assessment of Murrurundi reservoir site and size.

2.3 Stakeholder Engagement

- Media release on an update of the project.
- Issue of letter-box drops to Blandford & Wingen occurred in July.
- Letter-box drop to Parkville will occur in August.
- Sod turning media event planned for commencement of construction on 26 August. Michael Johnson, the Deputy Premier and the Water Minister are invited.

3 Project Spend

3.1 Spend to Date

| Approved Budget | $15,529,000 |
| Expenditure to date | $1,499,957 |

Amount spent each year

<table>
<thead>
<tr>
<th>Year</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014/15</td>
<td>$40,401</td>
</tr>
<tr>
<td>2015/16</td>
<td>$169,467</td>
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<tr>
<td>2016/17</td>
<td>$241,591</td>
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<tr>
<td>2017/18</td>
<td>$312,965</td>
</tr>
<tr>
<td>2018/19</td>
<td>$714,187</td>
</tr>
<tr>
<td>2019/20</td>
<td>$21,346</td>
</tr>
</tbody>
</table>

Remaining Project Budget $14,029,043 31 July 2019
Committed Funds $7,856,415 31 July 2019
Uncommitted Funds to Date $6,172,628 31 July 2019

3.2 Major Expenditure in Previous Month

- Survey of property boundaries & road reserve – $6,200
- Leed Engineering & Construction – June progress payment – $254,152
4 Risk Register

4.1 Risk Assessment Review
- Further review will be undertaken when the Contractor finalises their SMWS for this project.

4.2 Current High Risks
The following are the top three high risks for the project:
- Negotiation of easements with another seven land owners to the north of Common Road as a result of the RMS direction to Leed on the placement of the pipeline, resulting in it being located further to the west than planned.
- Another six Deeds are in the final throws of negotiation.
- Village connection and pricing policies yet to be determined.

5 Decisions and Approvals

5.1 Variations to Pipeline Scope
Requests for variation have been approved for the following items:
- Change the pipe material to DICL for the first 500m as it passes under the proposed Figtree & Monty subdivision - $43,688
- Change the pipe material from PN16 PVC-O to PN25 PVC-O for 8,064m of the line between Scone and Cressfield Road to provide a more robust pipeline in the higher pressure zone - $254,063

5.2 Village Reticulation
A report was submitted to the Infrastructure Services Committee with the proposed methodology to determine the limits of the reticulation zones for the villages. The scope of work is being prepared to go to tender for the design and costing.

OPTIONS
1. Note the report.

CONSULTATION
- Director Infrastructure Services
- Manager Special Projects
- Manager Water & Sewer
- Finance Manager

STRATEGIC LINKS

a. Community Strategic Plan 2027
This report links to the Community Strategic Plan 2027 as follows:

BUILT & NATURAL ENVIRONMENT
Goal 4 Plan for a sustainable future.
CS15 Plan, facilitate and provide for a changing population for current and future generations.
ECONOMY & INFRASTRUCTURE
Goal 6  Increase, enhance and maintain civil infrastructure, Community assets and open spaces to meet the needs of current and future generations.
CS24  Provide for replacement, improvement and additional Community and open space infrastructure through investment, best practice and risk management.
CS26  Provide safe and reliable water and sewerage services to meet the demands of current and future generations.

LEADERSHIP
Goal 9  Advocate for the Community.
CS41  To participate and encourage regional coordination and planning between Councils and other generations.
CS42  Provide timely and effective advocacy and leadership on key community issues and priorities.

We are working to achieve the following Community Priorities:

b. Delivery Program

The report addresses the following objectives for works up to 30 June 2020 as described in the 2019/20 DPOP.

Water Services
- By providing an adequate and secure potable water supply to recognise standards in defined areas on a cost effective basis.

c. Other Plans

Drought Management Plan.

IMPLICATIONS

a. Policy and Procedural Implications

Upper Hunter Shire Council Rural Water Supply Policy.

b. Financial Implications

All works have been budgeted for in accordance with the Delivery Program and Operational Plan (DPOP) 2019/20.

c. Legislative Implications

Nil
d. **Risk Implications**

Refer to section 5 of the report above.

e. **Other Implications**

Nil

**CONCLUSION**

This report provides an update to Councilors with a review of progress of the project and emerging issues.

**ATTACHMENTS**

Nil.
ISC.08.7  WATER CONSUMPTION UPDATE AND SUMMARY

RESPONSIBLE OFFICER: Nicholas Havyatt - Director Infrastructure Services
AUTHOR: Phillip Hood - Manager Water & Sewer

PURPOSE
The purpose of the report is to provide an update on water consumption across the Upper Hunter Shire, particularly in regards to the ongoing drought conditions.

RECOMMENDATION
That Council receive the report and note the information.

BACKGROUND
Water consumption in Scone and Aberdeen over the last two years has been significantly higher than previous years, predominantly due to ongoing drought conditions in the Shire. In the 2017/18 year Scone/Aberdeen used 23% more water than the year before, and Merriwa used 29% more. Council’s High Security water allocation from Glenbawn Dam was exceeded by 17ML.

Council implemented ‘Water Wise Rules’ across the Shire in October 2018 with the aim of reducing water use and increasing public awareness in regards to water consumption practices. At the same time, Council invested in additional water saving digital resources via ‘Smart Water Mark’, which have been routinely featured on the Council website and Facebook page.

With the drought continuing, Council moved to Level 1 Water Restrictions on July 1 2019 for the entire Shire, with Murrurundi remaining on Level 6. While there isn’t water supply issues anticipated for the current 2019/20 water year (with the exception of Murrurundi), Council are committed to being proactive and conservative in regards to water use.

REPORT/PROPOSAL
Water Allocations and Licences
Council have a number of water access licences that are used for town water supply, with most being classed as high security, that is, restrictions would only apply in significant drought scenarios. For the 2019/20 water year all Council’s high security allocations are at 100%, and general security from Glenbawn Dam (Hunter Regulated River) is at 95%.

With carry-over, our total water available for the 2019/20 water year is as follows:

- Scone/Aberdeen  3120 ML
- Murrurundi        464 ML
- Merriwa           763 ML
- Cassilis          55 ML

However, note that although Council is licensed to take 464ML from the Pages River for Murrurundi, current drought conditions means that this is practically impossible. Of the
3120ML for Scone/Aberdeen, 198ML is ground water entitlement for Scone that is primarily used for irrigation purposes, and not town water supply as it has in the past. Of the remaining, 2000ML is high security and 922ML is general security from Glenbawn Dam.

**Water Consumption**

The following table shows the total water consumption for each supply system for the 2017/18 and 2018/19 water years, and how this compares to the total water available for the 2019/20 water year if consumption remains the same.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Scone/Aberdeen</td>
<td>2032 ML</td>
<td>2047 ML</td>
<td>3120 ML</td>
<td>66 %</td>
</tr>
<tr>
<td>Murrurundi*</td>
<td>86 ML</td>
<td>12.7 ML</td>
<td>464 ML</td>
<td>2.7 %</td>
</tr>
<tr>
<td>Merriwa</td>
<td>326 ML</td>
<td>287 ML</td>
<td>763 ML</td>
<td>38 %</td>
</tr>
<tr>
<td>Cassilis</td>
<td>15.7 ML</td>
<td>15.6 ML</td>
<td>55 ML</td>
<td>28 %</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>2460 ML</strong></td>
<td><strong>2413 ML</strong></td>
<td><strong>4402 ML</strong></td>
<td><strong>53 %</strong></td>
</tr>
</tbody>
</table>

* Note that due to water carting from Scone, a large portion of Murrurundi’s water came from the Scone/Aberdeen allocation in the 2018/19 water year.

Looking at the above table, it is clear that even at high consumption rates, Council should have enough water for the upcoming year to service all supply centres. However, this does not tell the whole story. By next year, should the drought continue as it has been, the general security water allocation from Glenbawn Dam will likely be reduced. Water carting volumes from the Scone supply system has also risen and will likely stay high during drought conditions. The table below shows the total amount of water taken from metered standpipes from the past 3 years including water for the bypass and other construction works, the Lions Club water deliveries and the water carted to Murrurundi.

<table>
<thead>
<tr>
<th>Water from Standpipes</th>
<th>2016/17</th>
<th>2017/18</th>
<th>2018/19</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scone water supply</td>
<td>14.7 ML</td>
<td>23.6 ML</td>
<td>81.2 ML</td>
</tr>
</tbody>
</table>

Note that if you exclude the water taken from standpipes, the town water consumption in Scone/Aberdeen has decreased from 2008ML in 2017/18 to 1966ML last year and residents have been using less water since Water Wise Rules were introduced.

**Looking Ahead – 2020/21 and beyond**

For the last two years, Council have been reliant on the general security allocation from Glenbawn Dam to meet the total water supply demands for Scone and Aberdeen. However, with the continuing drought conditions, it is likely that this allocation will be reduced in future years.

Assuming we are still in drought and that the Scone to Murrurundi Pipeline would be complete, the Scone/Aberdeen/Murrurundi consumption for the 2020/21 water year will likely be 2214ML. This may increase further if the villages of Parkville, Wingen, Blandford and/or Gundy and Middlebrook are added to the supply system in the following year.

The following table shows the possible future demands in Scone/Aberdeen should the drought continue.
In this scenario, by 2021/22 should all general security allocations be reduced to 0%, Council would need to reduce overall consumption by 13% in order to meet demands. This would require implementing Level 2 water restrictions or higher.

While Council are able to draw upon our Scone ground water wells to subsidise the town water supply demands, if the drought conditions continue, these supplies will become less reliable and may also be essential for continuing to maintain public parks and facilities. It is best to assume they will be unavailable to contribute to town drinking water in the future.

**OPTIONS**

1. To note the report
2. Modify the recommendation

**CONSULTATION**

- General Manager
- Director Infrastructure Services
- Manager Water and Sewer
- Engineer Water and Sewer Distribution
- Engineer Water and Sewer Treatment

**STRATEGIC LINKS**

a. **Community Strategic Plan 2027**

This report links to the Community Strategic Plan 2027 as follows:

**BUILT & NATURAL ENVIRONMENT**

- Goal 4  Plan for a sustainable future.
- CS15 Plan, facilitate and provide for a changing population for current and future generations.
ECONOMY & INFRASTRUCTURE

Goal 6  Increase, enhance and maintain civil infrastructure, Community assets and open spaces to meet the needs of current and future generations.

CS24  Provide for replacement, improvement and additional Community and open space infrastructure through investment, best practice and risk management.

CS26  Provide safe and reliable water and sewerage services to meet the demands of current and future generations.

LEADERSHIP

Goal 9  Advocate for the Community.

CS41  To participate and encourage regional coordination and planning between Councils and other generations.

CS42  Provide timely and effective advocacy and leadership on key community issues and priorities.

We are working to achieve the following Community Priorities:

b. Delivery Program

The report addresses the following objectives for works up to 30 June 2020 as described in the 2019/20 DPOP:

Water Services
  •  By providing an adequate and secure potable water supply to recognise standards in defined areas on a cost effective basis.

c. Other Plans


IMPLIEDATIONS

a. Policy and Procedural Implications

Continued excessive water consumption may mean the introduction of additional water consumption measures across the Shire.

b. Financial Implications

Reduced water consumption will mean reduced revenue for Council.

c. Legislative Implications

Council may need to continue to operate outside of our adopted Drought Management Plan in order to meet supply demands.
d. Risk Implications

Ongoing dependence on our general security allocation from Glenbawn Dam to meet town water supply needs leaves the Council vulnerable should the drought continue and our general security allocation be reduced.

e. Other Implications

Nil

CONCLUSION

This report demonstrates that Council is at risk of being unable to supply the growing Scone/Aberdeen/Murrurundi supply system in future years should the drought continue.

Council is already looking to undertake the development of a new Drought Management and Emergency Response Plan, and will be seeking an increase in our high security allocation from Glenbawn Dam as well.

In the meantime, with Level 1 water restrictions now in place and ample water available for the 2019/20 water year, Council needs to continue to monitor the situation before determining if additional restrictions will be required for the following year/s.

There are no identified supply issues for Merriwa or Cassilis for this year or future years.

ATTACHMENTS

There are no enclosures for this report
ISC.08.8  
**UPPER HUNTER WATER SUPPLY SCOPING STUDY**

**RESPONSIBLE OFFICER:** Nicholas Havyatt - Director Infrastructure Services  
**AUTHOR:** Phillip Hood - Manager Water & Sewer

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**PURPOSE**

The purpose of this report is to provide a summary of the Final Draft Upper Hunter Water Supply and Treatment Scoping Study, so that Council is able to immediately progress feasible water supply projects, and to provide input as to the next steps.

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**RECOMMENDATION**

That Council:

- proceed with development of the Gundy water supply scheme, including making representation to DPIE and NSW Ministers to secure funding.
- proceed with the recommendations of the Scoping Study Report, including an ongoing water quality monitoring program and online turbidity monitoring.
- gauge stakeholder interest in potential PID schemes, based on the estimated costs identified in this report.
- discuss the outcomes of the report with Muswellbrook Shire Council and confirm the preferred location of the Scone WTP.
- proceed with the conceptual planning of a water treatment plant at the preferred location, and make representation to DPIE, NSW Health and NSW Ministers to secure funding and agree on a water treatment upgrade strategy.
- implement the agreed water treatment upgrade strategy, which will likely include immediate delivery of a new UV water treatment system, as part of an existing funding deed for these works.

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**BACKGROUND**

Numerous studies have been undertaken in regarding the use of Glenbawn Dam water for supplying Scone and surrounding villages since 1984. Prior to the dam wall raising in 1987, the need for a filtered water supply was clearly identified by NSW Health. After the dam was raised the water quality improved, particularly when water is taken from the upper, oxygenated layers, and plans for a water treatment plant were deferred.

Subsequent studies concluded that although water quality from the dam generally complied with the 1996 Australian Drinking Water Guidelines, with no barriers to high turbidity events or toxic algal blooms, water filtration was still recommended.

A December 2014 Scone-Aberdeen Water Supply, Water Quality Risk Workshop was held with DPI Water, State Water (now Water NSW) and NSW Health. This identified a very high risk of protozoa, bacteria and virus, and high risk of cyanotoxins, and proposed additional chlorine dosing and UV disinfection to reduce these risks. Council currently have 50% of $1.8M funding available to implement these upgrades, with this figure derived from a 2016 Public Works Concept Design Report for Chlorine and UV Dosing Systems.

However, there still remains significant doubt as to the suitability of only UV and chlorination as adequate treatment barriers for water sourced from Glenbawn Dam with the Public Works
document only referencing 3 years of water quality data from 2011 to 2014. Further, there seemed to be lacking a singular upgrade strategy in regards to future water connections and future water demands throughout the Shire and other studies had investigated potential water supply arrangements to Muswellbrook Shire and potential for Private Irrigation District (PID) schemes as well.

Council applied for 50% of $110,000 funding through the first Safe and Secure Water Program in order to carry out an Upper Hunter Water Supply and Treatment Scoping Study.

This study was designed to:
- Review the Glenbawn Dam catchment and historical water quality data to confirm the level of water treatment required.
- Review of all potential options for supply of water from Glenbawn Dam to the identified service areas of Scone, Middlebrook, Parkville, Wingen, Blandford, Murrurundi, Gundy, Aberdeen, Moobi, Bunnan, Merriwa, Cassilis, Muswellbrook, Denman and Sandy Hollow.
- Review potential options for PID schemes from Glenbawn Dam.
- Determine cost estimates and recommended upgrade strategy

The Final (Draft) Scoping Study Report was received from Hunter H2O on Friday 2 August 2019. The report will be updated again in a few months with results from additional investigations that have been identified via the report itself – such as comprehensive water quality testing.

REPORT/PROPOSAL

Water Quality Review

The water quality review of Glenbawn Dam determined that there is far too little and too inconsistent data to conclude that the water will meet the Australian Drinking Water Guidelines (ADWG) with only chlorination and UV treatment barriers. Extreme events may have been missed or not represented clearly by the data sets available for review.

One concern is turbidity, which while being consistently below the aesthetic limit (clear to the naked eye) only 22% of samples analysed are below the <1 NTU recommended for effective disinfection. In addition, the ADWG recommend that turbidity be <0.2 NTU for high risk catchments which have a risk of Cryptosporidium, such as Glenbawn Dam. Raw water exceeds this requirement for 100% of samples recorded.

Without any filtration treatment barrier Council have no ability to manage turbidity. The higher the turbidity, the higher the risk and the less effective a UV/chlorination disinfection system will be.
In addition to the water quality results, is the review of the catchment risk and application of Health Based Targets (HBT). HBTs do not currently form part of the ADWG, but there is an expectation that they will be in the near future.

HBT’s, in broad terms, refer to microbial water quality targets. This is about putting sufficient barriers in place to reduce the risk profile of the source water to an acceptable level. Glenbawn Dam, being a recreational dam, has a relatively high risk profile, even if the water quality is generally acceptable.

Hunter H2O have proposed an initial suite of water quality parameters for Upper Hunter Shire to test, in addition to an ongoing raw water monitoring program. It is highly recommended that Council begin this testing ASAP.

**Water Treatment Assessment**

The recommendation of the Scoping Study is for additional treatment barriers to the UV and chlorine dosing that is currently funded. The preferred treatment option is as shown below:
HH2O will use additional water quality data acquired by UHSC to confirm this treatment proposal. There may be the option to stage the treatment components to immediately reduce the water quality risk and only add the additional treatment components if the need is confirmed via the additional water quality data.

The cost for the full treatment plant to service Scone/Aberdeen/Murrurundi is $28.8M, whereas the cost for a larger treatment plant to service all towns and villages (including Muswellbrook) is $58.8M.

**Treatment Plant Location**

In summary, the best location for the water treatment plant (WTP) is at the site of the existing gas chlorination building located off Gundy Road – *but only if Muswellbrook Shire is not being supplied.*

If Muswellbrook was to also be supplied water from a larger WTP, then locating the WTP at the site of the Bushy Hill Balance Tank is the best location.

UHSC need to meet with Muswellbrook Shire Council to discuss the outcomes of this Scoping Study in order to confirm the WTP site.

The Scoping Study also determined that Gundy would be best serviced by its own water treatment plant, and supply from the back of Glenbawn Dam. A Gundy water supply scheme is therefore estimated to cost $4.5M (minimum).

**Supply Options**

The Scoping Study examines numerous supply options arrangements, and there are countless combinations of pipe alignments and potential demands that could be analysed beyond what has already been done. Below are just a few highlights.

*Glenbawn Dam to Merriwa*

To supply water from Glenbawn Dam all the way to Merriwa would cost $63.8M, not including the $58.8M for the WTP. To go further to Cassilis, would be another $11M. As these townships currently do not have any identified water supply concerns, this can be considered unfeasible at this stage.
Glenbawn Dam to Muswellbrook
To supply water from the Brushy Hill balance tank to Muswellbrook would cost in the order of $25.9M. To supply all of Muswellbrook with treated water from a new WTP, means the total cost (to Muswellbrook) would be $55.9M. This is the figure that UHSC need to discuss with MSC in order to determine whether MSC would be better served with investment in their own WTP taking water from the Hunter River as is done currently.

Gundy
To supply water from Brushy Hill balance tank to Gundy will cost $4.7M, plus another $5.7M to supply Moonan Flat. To supply a potential PID along Waverley Road would add $16.2M, although this would be to deliver 10ML/d at the end point, and could be scaled back.

Arrowfield Stud (between Brushy Hill and Gundy) have expressed interest in investigating different water supply options also, and have their own supply from Glenbawn Dam which could be integrated. Council should continue to develop potential water supply arrangements in this area, particularly as the Scoping Study recommends decentralized treatment for the Gundy township.

Scone to Murrurundi PID Area
The Scone to Murrurundi pipeline has been upsized to Cressfield Road, in order to allow the future option of a PID in this area. However, the pipeline will be conveying treated water from the Scone WTP. Assuming that Middlebrook and Parkville are reticulated in the future, the Scoping Study also analysed the cost to convert the pipeline between Scone and Cressfield Road to a raw water pipeline, and supply treated water via Middlebrook and Wallington Road. It determined that this may be possible for $6.7M.

Alternatively, to achieve the same outcome with decentralized treatment plants at each village would cost $8.1M, and have higher ongoing operational costs.

Council should ensure that the reticulation designs for Middlebrook and Parkville allow for this potential future arrangement.

OPTIONS
1. Council note the report and agree to all the Recommendations
2. Council modify the Recommendations.

CONSULTATION
- General Manager
- Director Infrastructure Services
- Manager Water and Sewer
- Engineer Water and Sewer Distribution
- Engineer Water and Sewer Treatment

STRATEGIC LINKS
a. Community Strategic Plan 2027
This report links to the Community Strategic Plan 2027 as follows:
BUILT & NATURAL ENVIRONMENT
Goal 4 Plan for a sustainable future.
   CS15 Plan, facilitate and provide for a changing population for current and future
genations.

ECONOMY & INFRASTRUCTURE
Goal 6 Increase, enhance and maintain civil infrastructure, Community assets and open
spaces to meet the needs of current and future generations.
   CS24 Provide for replacement, improvement and additional Community and open space
   infrastructure through investment, best practice and risk management.
   CS26 Provide safe and reliable water and sewerage services to meet the demands of
current and future generations.

LEADERSHIP
Goal 9 Advocate for the Community.
   CS41 To participate and encourage regional coordination and planning between
   Councils and other generations.
   CS42 Provide timely and effective advocacy and leadership on key community issues
   and priorities.

We are working to achieve the following Community Priorities:

b. Delivery Program

The report addresses the following objectives for works up to 30 June 2020 as described in
the 2019/20 DPOP:

Water Services
- By providing an adequate and secure potable water supply to recognise standards in
  defined areas on a cost effective basis.

c. Other Plans

Integrated Water Cycle Management Plan

IMPLICATIONS

a. Policy and Procedural Implications

Nil

b. Financial Implications

Identified water supply arrangements and water treatment requirements all have high capital
cost. Most, if not all, of the proposed infrastructure will only be possible with the support and
endorsement of DPIE and associated grant funding.
c. Legislative Implications

Nil

d. Risk Implications

There is a clear identified drinking water health risk while ever Council does not have adequate treatment barriers in place for water sourced from Glenbawn Dam.

e. Other Implications

Nil

CONCLUSION

The Scoping Study is a high level planning document that is intended to be used as a launch point for the further development of individual projects and infrastructure improvements. There are numerous recommendations that have come out of the Scoping Study, including recommended avenues for further investigation, consultation and data collection.

Council should endorse all the recommendations above, and work to reduce our drinking water supply risks as a matter of urgency.

ATTACHMENTS

1 UHSC Supply & Treatment Scoping Study Report_FINAL_Issued - 02/08/2019 Excluded
ISC.08.9  UHSC POOLS - OPENING FOR 2019-20 SEASON

RESPONSIBLE OFFICER: Nicholas Havyatt - Director Infrastructure Services

AUTHOR: Andrew Griffith - Manager Works Delivery

PURPOSE

The purpose of this report is to seek direction from Council about the options for the opening of the Mururrundi Pool should Murrurundi be on level 6 water restrictions when the pool season commences in October 2019.

RECOMMENDATION

That Council

1. open the Murrurundi pool for a short season from 30 November 2019 to 29 March 2020;
2. note the additional cost to Council’s water fund of approximately $35,000 (subject to climatic and operating conditions) to cover the costs of carting water from Scone; and
3. reduce the following season pass fees for the Mururrundi Pool for 2019/20 season only when the season pass is purchased after the Mururrundi Pool is opened
   - Pensioner Pass access to all pools $ 65.00
   - Adult Pass access to all pools $ 110.00
   - Family Pass access to all pools $ 190.00
   - Child Pass (2 to 16 yrs includes) access to all pools $ 70.00

BACKGROUND

Murrurundi Township is currently on level 6 water restrictions and it is expected that when the pool is planned to open for the 2019-20 pool season, Mururrundi will still be on these level 6 restrictions. In accordance with Council’s Drought Management Plan, pools cannot be filled from the town supply when on level 5 or 6 restrictions.

To facilitate opening the Mururrundi Pool for the 2018/19 pool season at the October 2018 Ordinary Council Meeting Council resolved to accept corporate sponsorship to offset the additional cost of carting water to facilitate the filling, topping up and operational water requirements for operating the pool for a shorter season.

REPORT/PROPOSAL

Councils Drought Contingency and Emergency Response Plan 2014 outlines the restrictions on the use of water from the water supply system for each water restriction level. The topping up public swimming pools/spas are not permitted at level 5 and 6.

To open the Mururrundi Pool, the pool will need to be cleaned, refilled and turned over prior to the opening date of 1 December 2019. It is estimated that this process will use over 30,000 litres of water per day for four weeks prior to the opening of the pool. Then the ongoing water usage will be between 10,000 litres and 50,000 litres per day, this is based on last year’s water usage. The water usage is subject to cleaning, pool usage, and evaporation levels.
Should Council open the pool while Murrurundi are still on level 5 or 6 water restrictions Council will need to use water carts to truck the water from Scone to Mururrundi. This will cost about $5,000 per week for the first four weeks to get the pool up and running, once the pool is open this will reduce to about $4,500 per month subject to the volume of water used each month. It is proposed the water fund will cover these costs that are above the normal cost of running the pool.

In keeping with Council’s culture of improved environmental responsibility and having regard to utilisation of the Mururrundi pool over the previous two seasons it is recommended that if the township remains on level 5 or 6 restrictions that the pool season is again shortened.

October, November and March were the slowest usage months at the Mururrundi with October been the overall lowest month. Initial discussions have been held with the contractor about the impact of the Mururrundi pool not opening on time.

The current proposal will see the Mururrundi Pool open for a short season from 30 November 2019 to 29 March 2020.

As the Mururrundi Pool season would be reduced from six months to four months the season pass fees for the Mururrundi Pool need to be reviewed.

The full season fees for the UHSC pools are as follows;

- Pensioner Pass access to all pools $100.00
- Adult Pass access to all pools $165.00
- Family Pass access to all pools $290.00
- Child Pass (2 to 16 yrs includes) access to all pools $110.00

As it is proposed to reduce the pool season by one third for the Mururrundi pool it is proposed that when a season ticket is purchased at Mururrundi Pool the fees are reduced to two thirds the annual fee due to the reduced season duration.

The following is the proposed reduced season pass fees for the Mururrundi Pool for 2019/20 season only when a season pass is purchased after the Mururrundi Pool is opened.

- Pensioner Pass access to all pools $65.00
- Adult Pass access to all pools $110.00
- Family Pass access to all pools $190.00
- Child Pass (2 to 16 yrs includes) access to all pools $70.00

This season pass will still grant the owner access to all three pools. However, should someone purchase a season pass before the Mururrundi pool is opened to access the Scone or Merriwa pool they will be required to pay the full season ticket price.

**OPTIONS**

Murrurundi pool
1. Do not open the pool until the water restrictions have been lifted to level 4 or lower.
2. Open the pool and use the town water.
3. Open the pool and truck water from Scone.
CONSULTATION

- Director Infrastructure Services
- Manager Works Delivery
- Director LSA

STRATEGIC LINKS

a. Community Strategic Plan 2027

This report links to the Community Strategic Plan 2027 as follows:

COMMUNITY LIFE

Goal 1  A supported Community.
   CS1  Advocate for, develop and implement programs, services and facilities for our ageing Community.
   CS3  Advocate for, support and provide series and facilities for young people, children, families and people with a disability.

Goal 2  Promote wellbeing and a connected, healthy and happy Community.
   CS7  Provide and support a broad range of sport, recreation, health and wellness programs to target age specific needs of residents including younger children, older children, adolescents, families, seniors and people with a disability.

BUILT & NATURAL ENVIRONMENT

Goal 4  Plan for a sustainable future.
   CS15 Plan, facilitate and provide for a changing population for current and future generations.

ECONOMY & INFRASTRUCTURE

Goal 6  Increase, enhance and maintain civil infrastructure, Community assets and open spaces to meet the needs of current and future generations.
   CS24 Provide for replacement, improvement and additional Community and open space infrastructure through investment, best practice and risk management.
   CS26 Provide safe and reliable water and sewerage services to meet the demands of current and future generations.

LEADERSHIP

Goal 9  Advocate for the Community.
   CS41 To participate and encourage regional coordination and planning between Councils and other generations.
   CS42 Provide timely and effective advocacy and leadership on key community issues and priorities.

We are working to achieve the following Community Priorities:

Reliable and safe water supply.
b. Delivery Program

The report addresses the following objectives for works up to 30 June 2020 as described in the 2019/20 DPOP.

Swimming Pools
- By providing recreational facilities for the Upper Hunter community, which are operated in a safe, efficient and effective manner.

Water Services
- By providing an adequate and secure potable water supply to recognise standards in defined areas on a cost effective basis.

c. Other Plans

UHSC Pool Management Plan

IMPLICATIONS

a. Policy and Procedural Implications

Nil

b. Financial Implications

Trucking water from Scone to Murrurundi will increase the cost of running the pool significantly, and currently the cost is not budgeted for.

c. Legislative Implications

Nil

d. Risk Implications

Community will not have access to a public pool in Mururrundi if the pool is not opened on time.

e. Other Implications

Nil
CONCLUSION

There will be significant additional cost to have the pool open when Mururrundi is on level 5 and 6 water restrictions.

ATTACHMENTS

Nil.
ISC.08.10  EMERGENCY SERVICES UPDATE

RESPONSIBLE OFFICER: Nicholas Havyatt - Director Infrastructure Services

AUTHOR: Alan Fletcher - Special Projects Manager

PURPOSE

The purpose of this report is to provide the Committee with an update on:

- Feedback on the exercise to “Activate an Emergency Operations Centre” held on 29 May 2019.
- State Emergency Services (SES) decision to close the Merriwa SES.
- Rural Fire Service (RFS) progress with the proposed new Gummun and Bow RFS brigade sheds.

RECOMMENDATION

That Council receive the report and note the information.

BACKGROUND

Exercise to Activate an Emergency Operations Centre

The Upper Hunter Shire Local Emergency Management Committee held an exercise to “Activate an Emergency Operations Centre” on the 29 May 2019 in the training room at Council’s administration building at 135 Liverpool St, Scone. Sixteen people participated from Council, NSW Police, NSW Ambulance, HNE Health Fire & Rescue NSW, Local Land Services, VRA, SES and RMS.

The exercise was developed by the Upper Hunter Shire Local Emergency Management Controller (LEOCON) in consultation with the Region Emergency Management Officer (REMO). It was a practical activity intended to test the functionality, capabilities and procedures of the Upper Hunter Local Emergency Operations Centre (LEOC) at the Council Administration Centre in Scone. It was a real time exercise designed to give participants an appreciation of the mechanics of opening and closing the LEOC, record keeping requirements and the role and expectations of liaison officers supplied by combat and support agencies.

The objective of the desktop exercise to Activate EOC is to activate the centre in accordance with the guidelines listed in the NSW Government’s Emergency Operations Centres Policy Document November 2013, and the relevant annexures and templates. EMOS (Emergency Management Operating System) was also tested to activate the EOC on-line. An EOC Operational Readiness Audit report of the centre was undertaken.

Closure of Merriwa SES

On the 11 July 2019 the SES closed the Merriwa SES, removed the SES vehicle and some equipment and gave some equipment to Merriwa VRA. Council's General Manager and Manager Special Project (Local Emergency Management Officer) met with SES later on the same day. SES advised that the Merriwa SES was being closed due to very low call out/job numbers. Also there has been a long standing process at Merriwa where SES jobs were passed onto the VRA or sometimes the RFS. The Merriwa SES, VRA and RFS members are generally the same people. The president of Merriwa VRA advised “VRA provide 100% of the
membership of the SES unit locally, and have been performing SES work for an extended period of time”.

The Manager Special Projects met with the Merriwa VRA on the 19 July to discuss the SES closure, funding for VRA and SES. Although the SES is fully funded through the NSW Government (with a contribution from Council) the Merriwa SES and VRA members prefer to work with VRA due to perceived better support.

**Gummun and Bow RFS Brigade Sheds**

A report to this Committee on the 12 February 2019 set out proposals to build RFS brigade sheds at Gummun and Bow near Merriwa. The proposed brigade shed were proposed to be located on crown land travelling stock route sites. The travelling stock routes are administered by Local Land Services (LLS). Although LLS support the proposal, the acquisition would require compulsory acquisition due to native title issues. The likely time and associated costs to compulsory acquire the sites is prohibitive. The advice received by the RFS, which is the quickest and cheapest option, is to purchase other sites. This is back up by Council's experience.

**REPORT/PROPOSAL**

**Exercise to Activate an Emergency Operations Centre**

The findings from the exercise were:

1. Training Room inadequate size (too small) for an EOC.
2. Not enough white boards (7 portable whiteboards ordered, 1 each for Situation Board).
   - Contact Board
   - Resources Board
   - Access Board
   - Significant Events Board
   - Task Allocation Board
   - Victim Status Board
   - Essential Services Board
3. Need tabards/Hi Vis vests with roles/names printed (done).
4. Ensure that WIFI is available and password (done).
5. EOC requires emergency backup electricity supply.

To address the inadequate room size the most practical solution is to make the Council Chambers the EOC. This means that the Council Chamber may be unavailable for meetings in the event of an emergency requiring an EOC.

Items numbered 2, 3 and 4 have been addressed.

Enquiries have been made with an electrical contractor to price up the wiring and provision of an electrical generator for an emergency backup electricity supply. This will be a major cost and will be put forward in the 2020/21 draft budget.

**Closure of Merriwa SES**

Council Officers have arranged another meeting with SES to confirm arrangements are in place at Merriwa for storm and flooding emergencies.
Gummun and Bow RFS Brigade Sheds
Discussions are being held with the RFS about possible sites for Gummun and Bow RFS Brigade Sheds.

OPTIONS
1. Accept the recommendation.
2. Decline to accept the recommendation
3. Adopt an alternative recommendation.

CONSULTATION

- SES
- VRA
- RFS
- Local Emergency Operations Controller (LEOCON - Police)
- General Manager
- Local Emergency Management Officer (LEMO – Manager Special Projects)

STRATEGIC LINKS

a. Community Strategic Plan 2027
This report links to the Community Strategic Plan 2027 as follows:

COMMUNITY LIFE
Goal 1 A supported Community.
   CS4 Facilitate partnerships which create and support a safe, inclusive and caring Community.

BUILT & NATURAL ENVIRONMENT
Goal 3 Protect the natural Environment
   CS12 Ensure that all actions, decisions and policy response to natural hazards and climate change remain current and reflect capacity Community expectation and changes in environmental and climate change information.

Goal 4 Plan for a sustainable future.
   CS15 Plan, facilitate and provide for a changing population for current and future generations.

ECONOMY & INFRASTRUCTURE
Goal 6 Increase, enhance and maintain civil infrastructure, Community assets and open spaces to meet the needs of current and future generations.
   CS24 Provide for replacement, improvement and additional Community and open space infrastructure through investment, best practice and risk management.

LEADERSHIP
Goal 9 Advocate for the Community.
   CS42 Provide timely and effective advocacy and leadership on key community issues and priorities.
Report To Infrastructure Services Committee
13 August 2019

Infrastructure Services

We are working to achieve the following Community Priorities:

- Rural lifestyle and Country feel are valued and protected and the Upper Hunter Shire remains quiet, safe, healthy and welcoming.
- Well maintained, safe, reliable and additional infrastructure, including sporting fields, parks, family and cultural facilities.
- Upper Hunter Shire Council is an effective and efficient organisation, focusing on community engagement, action and response.
- Protect the natural environment.

b. Delivery Program

The report addresses the following objectives for works up to 30 June 2020 as described in the 2019/20 DPOP.

Emergency Services
- By maintaining an efficient and effective local emergency system for the protection of life and property.
- Ensuring appropriate integration of emergency services activities in accordance with the State Emergency Management and Rescue Act.
- By providing adequate assistance to SES and VRA.
- By providing appropriate emergency management facilities.

Fire Service Levy & Fire Protection
- By encouraging local representation and autonomy of volunteer brigades
- By providing council resources in event of emergencies.
- By providing support to the Liverpool Range zone in regard to the upkeep of bushfire equipment.

c. Other Plans

Nil

IMPLICATIONS

a. Policy and Procedural Implications

Nil
b. Financial Implications

Exercise to Activate an Emergency Operations Centre
The cost of the proposed emergency backup generator will be included in the draft 2020/21 budget.

Closure of Merriwa SES
Council makes a contribution toward the operation costs of the SES. The question of funding and the reduced service has been raised with the SES.

Gummun and Bow RFS Brigade Sheds
RFS is proposing to fund the Gummun and Bow Brigade sheds construction. RFS advise the Gummun funding is confirmed and the Bow funding for design and approvals is confirmed. However, the RFS will not fund the land purchase cost. Council would need to fund the land purchase costs. This cost is not determined at this time and there is no budget for this cost.

c. Legislative Implications

Nil

d. Risk Implications

Nil

e. Other Implications

Nil

CONCLUSION

The information in this report has been provided to update the Committee on the LEMC desktop exercise to ‘Activate an Emergency Operation Centre, Merriwa SES closure and Gummun and Bow RFS shed project.

ATTACHMENTS

There are no enclosures for this report
The purpose of this report is to advise Council of the opportunity to apply for grant funding for the provision of bus shelters under the NSW Country Passenger Transport Infrastructure Grants Scheme (CPTIGS).

**RECOMMENDATION**

That Council submit an application for the 2019/21 funding of bus shelters to the value of $66,000 with the following priority.

- Merriwa Central School (Primary Campus) – Mackenzie Street x 2
- Gundy (General Store) – Riley Street
- Cassilis Community Hall – Buccleugh Street
- Murrurundi – Royal Hotel and St Vincent’s DePaul – Mayne Street

**BACKGROUND**

The Transport for NSW 2019/21 Country Passenger Transport Infrastructure Grant Scheme (CPTIGS) is now open, with $3,250,000 available for this biennial funding round. The notional funding allocation for New England/North West and Hunter region is $866,000.

The CPTIGS provides subsidies to support the construction or upgrade of bus stop infrastructure generally owned and maintained by local councils across country NSW.

The scheme aims to maximise benefits to passengers through supporting:

- more accessible passenger transport, focusing on better connections between bus stops and surrounding communities;
- an increase in the use of passenger transport in country areas through improved awareness of bus stop locations, kerbside information and improved security (e.g. tactile ground indicators and lighting); and
- the development of minor infrastructure to complement passenger service development.

Funding is allocated regionally to facilitate an equitable distribution of the grant support and projects. Applications close midday on 30 September 2019.

The scheme provides subsidies for improvements at regular bus stops, NSW Trainlink coach stops and bus stops adjacent to the entry/exit points of school.
REPORT/PROPOSAL

Council, at the time of this report have received expressions of interest from community organisations and transport providers for the provision of shelters as listed below:

- Merriwa Central School (Primary Campus) – Mackenzie Street
- Gundy (General Store) – Riley Street
- Cassilis Community Hall – Buccleugh Street
- Murrurundi – Royal Hotel and St Vincent’s DePaul – Mayne Street

Successful applications over the previous two years have been St Mary’s Primary School, Scone ($30,000) and Aberdeen Public School ($20,000). A new shelter has a maximum total grant value of $11,000 which includes the shelter and associated works.

An application for funding requires that each location is numbered by priority. Failure to follow this prioritisation can have an unintended impact for applicants in rounds when there is an oversubscription of limited resources. There is no guarantee as to the amount of funding in any particular year.

OPTIONS

Submit an application for the 2019/21 funding of bus shelters to the value of $66,000 with the following priority. Merriwa Central School (Primary Campus) – Mackenzie Street x 2 ($22,000) Gundy (General Store) – Riley Street ($11,000) Cassilis Community Hall – Buccleugh Street ($11,000) Murrurundi – Royal Hotel and St Vincent’s DePaul – Mayne Street

CONSULTATION

Council staff have consulted with community members and transport service providers to identify the transport infrastructure in most need of upgrading or construction. Whilst it is not a requirement, collaborative applications that demonstrate consultation and support are highly regarded. Correspondence outlining the consultation process and support from local bus operators and other interested parties will be attached to Council’s application.

STRATEGIC LINKS

a. Community Strategic Plan 2027

This report links to the Community Strategic Plan 2027 as follows:

ECONOMY & INFRASTRUCTURE

Goal 7 Enhance and improve the road network and bridges to meet the needs of current and future generations and communicate priorities and progress to the Community.

CS27 Maintain and upgrade the road network and bridges.

CS28 Increased Community engagement and updates on infrastructure planning, road priorities, works and improvements.

CS29 Advocate, facilitate and/or provide traffic management and public transport facilities to meet the needs of the Community.

LEADERSHIP

Goal 8 Provide Community leadership.

CS33 Utilise emerging innovative communication technologies and techniques to increase awareness of Council’s activities and services.
Goal 9  Advocate for the Community.
CS42  Provide timely and effective advocacy and leadership on key community issues and priorities.

We are working to achieve the following Community Priorities:

- **Rural lifestyle and Country feel are valued and protected and the Upper Hunter Shire remains quiet, safe, healthy and welcoming.**
- **Well maintained, safe, reliable and additional infrastructure, including sporting fields, parks, family and cultural facilities.**
- **Upper Hunter Shire Council is an effective and efficient organisation, focusing on community engagement, action and response.**
- **Upper Hunter Shire has improved and well maintained roads and bridges.**
- **Increase focus on local business, shop occupation and revitalisation of the Town Centres.**

b. **Delivery Program**

The report addresses the following objectives for works up to 30 June 2020 as described in the 2019/20 DPOP.

**Transport Ancillaries**
- By promoting traffic and pedestrian safety by the provision and maintenance of regulatory and advisory signage and pavement markings.
- By maintaining street furniture.

c. **Other Plans**

Nil
**IMPLICATIONS**

a. **Policy and Procedural Implications**
   
   Nil

b. **Financial Implications**
   
   Council is responsible for depreciation, operational and maintenance costs for the new infrastructure on an ongoing basis. These costs are addressed through ongoing annual operational budgets.

c. **Legislative Implications**
   
   Nil

d. **Risk Implications**
   
   Nil

e. **Other Implications**
   
   Nil

**CONCLUSION**

Council will continue to advocate for the provision of infrastructure that improves safety and accessibility for residents.

**ATTACHMENTS**

There are no enclosures for this report
ANSWERS TO COUNCILLOR QUESTIONS

PURPOSE

The purpose of the report is to provide an update to Councillors on questions asked at the previous Infrastructure Services Committee meeting.

RECOMMENDATION

That the Committee receive and note the report.

BACKGROUND

At each Infrastructure Services Committee meeting the Councillor’s ask questions to the Infrastructure Services Director and Managers. Some questions require further investigation and actions to be made.

This report is to provide the questions being asked by the Councillor’s and to ensure we have provided answers and relevant information regarding it.

This report will show the questions raised from the last meeting and any outstanding questions. Please note that if the question is a service request the question will be moved into the CRM system and not be shown in this report.

REPORT/PROPOSAL

December 2018

Cr Campbell

1. Asked: What can we do to improve the safety and reduce the near misses at the intersection of the Golden Highway and Ringwood Road, Merriwa?

   Response: Director Infrastructure Services has advised that Council will report the issue to RMS.

   Update: A letter has been sent to the RMS asking them to review the intersection and undertake a road safety audit. Council is awaiting a response from RMS.

February 2019

Cr Collison

1. Asked: Has the community consultation been scheduled for Mossvale Footbridge

   Response: Director Infrastructure Services has advised that the community consultation will be scheduled in the next few months.
March 2019

Mayor Wayne Bedggood

2. Asked: What is the follow up on the turning lane and Street light on the corner of Mareeba Road and New England Highway?

Response: Director Infrastructure Services has consulted with RMS who have advised Roads and Maritime have reviewed the crash data for this intersection and there have been no crashes recorded within the last five years. An upgrade of the intersection to provide a right turn bay is not a priority relative to other road safety issues on the road network. The intersection is within the village area of Parkville and new lighting would normally be provided by Council. Council are now working with Ausgrid to erect a streetlight on Mareeba Road to light up the intersection to increase the visibility of the intersection. A CRM reference 854/2019 has been logged for the work.

Update: Council are still liaising with Ausgrid.

Update: Application form for Public Lighting has been logged with Ausgrid in July 2019. Staff are continuing to liaise with Ausgrid, noting Ausgrid’s ability to undertake illumination design services is based on availability of resources in each of the regions. We anticipate the works to be completed within the next 3 months, however an update will be given if there are delays. A Memo has been sent to the Councillors.

2. Asked: There are logs that have built up on Colonial Swamp Bridge on Mossvale Road, can these be removed and cleaned up? The bridge also had a plaque on it but some time ago it was knocked off. Can we investigate in having one erected again?

Response: Director Infrastructure Services has advised that a CRM reference 883/2019 was logged and staff have completed the cleanup of the logs against the bridge. Staff are now investigating what was on the Plaque to have one erected and placed back on the bridge.

Update: Staff have ordered the replacement plaque and will install it once it arrives.

Update: Staff have erected the plaque on the Bridge. A Memo has been sent to the Councillors.

Cr Campbell

1. Asked: Has requested, can we get street lights be installed over the pedestrian crossing on Vennacher Street, Merriwa?

Response: Director Infrastructure Services has advised a CRM 887/2019 has been logged for staff to liaise with Ausgrid for work to be scheduled.

Update: Staff are continuing to liaise with Ausgrid for works and a date of completion will be supplied.

Update: Application form for Public Lighting has been logged with Ausgrid in July 2019. Staff are continuing to liaise with Ausgrid, noting Ausgrid’s ability to undertake illumination design services is based on availability of resources in each of the regions. We anticipate the works to be completed within the next 3 months, however an update will be given if there are delays. A Memo has been sent to the Councillors.
Cr Campbell

1. Asked: There are still some of the ‘Alcohol Free Zone’ signs in Bettington Street, Merriwa that are out of date, can the signs be updated?

   Response: Director Infrastructure Services has advised staff have inspected the signage and will update any signage that are out of date.

   Update: The signs are currently out of stock but they have been ordered.

Cr Collison

1. Asked: How is the fencing for Gundy playground coming along?

   Response: Director Infrastructure Services advises that some funding has been set aside for this project. Staff will work with the community to develop the project further.

   Update: The works at Gundy playground are programmed for July.

   Update: Staff have advised that the fencing around the playground are now complete.

2. Asked: Following a recent storm Barrington Road pipes are all blocked. Can this be programmed for them to be cleaned out?

   Response: Director Infrastructure Services has advised that staff have logged this request as a CRM ref: 1586/2019. Staff have inspected the pipe systems and are currently developing a priority list for drainage maintenance within the maintenance budget.

   Update: Works are currently programmed to be completed by August 2019. A memo has been sent to Councillors.

   Update: Works have been delayed due to conflicting priorities. The works are now scheduled due to be complete by the end of November. A Memo has been sent to the Councillors.

June 2019

Cr Burns

1. Can the roads in the Upper Rouchel Area be inspected following the grading to ensure the drainage is adequate?

   Response: Director Infrastructure Services advises that staff have logged a CRM ref 1652/2019. Staff have inspected the drainage and it has been constructed correctly to the design required. Staff will conduct a follow up inspection after the grading is complete. A memo has been sent to Councillors.

   Update: Staff have inspected the construction of the drainage and it meets the design requirements. A Memo has been sent to the Councillors.
2. Can Council investigate in becoming a member of an app called ‘Snap Send Solve’ to improve our ability to receive customer enquiries?

*Response: Director Infrastructure Services has forwarded this request to the relevant department, once it is investigated a memo will be sent to Councillors.*

*Update: Council are a member of ‘Snap Send Solve’ and the Communications Team are going to promote the App on facebook and will monitor the use of the app over the next 6 months and will also review the ways it is utilised.*

**July 2019**

**Cr Campbell**

1. Asked: I have been notified by a resident who uses Apex Park in Merriwa that the park is not suitable for younger kids as there is no low level area to play on. What age level was this park constructed for?

*Response: Director Infrastructure Services has advised staff are in the process of what the age group the playground was installed for and will provide a response at the September 2019 Infrastructure Services Meeting.*

2. Asked: Can Council investigate a footbridge over the Munmurra River at Cassilis?

*Response: Director Infrastructure Services has advised that this is to be investigated and information will be provided back to this Committee.*

**Cr Abbott**

1. Asked: Does Upper Hunter Shire Council have a roads safety strategy plan?

*Response: Director Infrastructure Services has advised that Council do not have a Roads Safety Strategic Plan. Staff have now started to plan to investigate a Roads Safety Strategic Plan.*

2. Asked: Does the Upper Hunter Shire Council have a roads safety plan for cycleways and footpaths?

*Response: Director Infrastructure Services has advised that Council has a Roads Safety Plan for cycleways and footpaths, however this plan is scheduled to be reviewed in this financial year.*

**Cr Collison**

1. Asked: What was the cost of transporting the gravel from Willow Tree gravels to Hunter Road compared to used local gravel sources?

*Response: Director Infrastructure Services has advised the information will be provided in the Works Program – Infrastructure Services August report.*

**OPTIONS**

1. Note the report.
CONSULTATION

- Director Infrastructure Services
- Manager Works Delivery
- Manager Strategic Assets
- Manager Water & Sewer
- Manager Special Projects

STRATEGIC LINKS

a. Community Strategic Plan 2027
This report links to the Community Strategic Plan 2027 as follows:

COMMUNITY LIFE
Goal 1 A supported Community.
  CS1 Advocate for, develop and implement programs, services and facilities for our ageing Community.
  CS3 Advocate for, support and provide series and facilities for young people, children, families and people with a disability.
  CS4 Facilitate partnerships which create and support a safe, inclusive and caring Community.

Goal 2 Promote wellbeing and a connected, healthy and happy Community.
  CS7 Provide and support a broad range of sport, recreation, health and wellness programs to target age specific needs of residents including younger children, older children, adolescents, families, seniors and people with a disability.

BUILT & NATURAL ENVIRONMENT
Goal 3 Protect the natural Environment
  CS10 Advocate for, facilitate and support programs that protect and sustain our diverse environment for our future generations.
  CS12 Ensure that all actions, decisions and policy response to natural hazards and climate change remain current and reflect capacity Community expectation and changes in environmental and climate change information.

Goal 4 Plan for a sustainable future.
  CS13 Implement and regularly review Strategic Land Use Plans, Environmental Planning Instruments and Development Controls, which reflect the needs and expectations of the broad Community.
  CS15 Plan, facilitate and provide for a changing population for current and future generations.

ECONOMY & INFRASTRUCTURE
Goal 5 A sustainable and prosperous economy.
  CS18 Encourage a diverse economy whilst promoting and preserving our agriculture and equine industries.
  CS19 Encourage retail and commercial business to locate and prosper within our Shire.
  CS20 Encourage and support innovative industry and a diversity of businesses that provide a range of services and employment opportunities for current and future generations.
Report To Infrastructure Services Committee
13 August 2019

Infrastructure Services

CS22 Provide attractive and functional town centres and support revitalisation of towns and villages including investment in built heritage and improvement of existing buildings.

Goal 6 Increase, enhance and maintain civil infrastructure, Community assets and open spaces to meet the needs of current and future generations.

CS24 Provide for replacement, improvement and additional Community and open space infrastructure through investment, best practice and risk management.

CS25 Provide inviting public spaces that are clean, green, properly maintained, well designed, encourage active participation, family friendly and accessible to all.

CS26 Provide safe and reliable water and sewerage services to meet the demands of current and future generations.

Goal 7 Enhance and improve the road network and bridges to meet the needs of current and future generations and communicate priorities and progress to the Community.

CS10 Advocate for, facilitate and support programs that protect and sustain our diverse environment for our future generations.

CS27 Maintain and upgrade the road network and bridges.

CS28 Increased Community engagement and updates on infrastructure planning, road priorities, works and improvements.

CS29 Advocate, facilitate and/or provide traffic management and public transport facilities to meet the needs of the Community.

LEADERSHIP

Goal 8 Provide Community leadership.

CS30 Effectively and efficiently manage the business of Council, while encouraging an open and participatory Council with an emphasis on transparency, Community engagement, action and response.

CS33 Utilise emerging innovative communication technologies and techniques to increase awareness of Council’s activities and services.

Goal 9 Advocate for the Community.

CS40 Encourage and build strong partnerships between the Community, business and all levels of government support implementation of the CSP 2027 and to deliver the Community priorities.

CS41 To participate and encourage regional coordination and planning between Councils and other generations.

CS42 Provide timely and effective advocacy and leadership on key community issues and priorities.

We are working to achieve the following Community Priorities:
b. **Delivery Program**
The report addresses the following objectives for works up to 30 June 2020 as described in the 2019/20 DPOP.

**Asset Management**
- Establish and maintain public assets and improve the amenity of the Shire
Infrastructure Services

Depot Operations
- By ensuring Council has efficient and effective facilities at each of its depots.

Infrastructure Projects Support
- By efficiently managing the capital, plant and resources made available

Private Works
- By providing all residents access to Council private works at commercial rates

Stormwater
- Through the provision a stormwater drainage systems to manage flows.
- Through the provision of a kerb and gutter networks as an adjunct to the drainage network.
- By maintaining flow conditions in main creeks.

Street Cleaning
- By providing clean local roads while minimising environmental and flooding risks.

Public Cemeteries
- By the provision of a cost effective and sympathetic cemetery service and facility to the community.

Public Conveniences
- By providing and maintaining public toilets for the local community and travelling public to a satisfactory and acceptable standard.
- By improving the appearance and presentation of public toilets.

Street Lighting
- By promoting safe vehicular and pedestrian passage at night with adequate lighting in residential and arterial roads in accordance with Australian Standards.

Quarry Operations
- By effectively and responsibly managing, maintain and developing Council’s quarry operations.
- Through winning, producing and supplying quality road making materials for internal and external works at a competitive cost.
- By the safe operation of Council’s quarries to meet legislative requirements.

Emergency Services
- By maintaining an efficient and effective local emergency system for the protection of life and property.
- Ensuring appropriate integration of emergency services activities in accordance with the State Emergency Management and Rescue Act.
- By providing adequate assistance to SES and VRA.
- By providing appropriate emergency management facilities.

Fire Service Levy & Fire Protection
- By encouraging local representation and autonomy of volunteer brigades
- By providing council resources in event of emergencies.
- By providing support to the Liverpool Range zone in regard to the upkeep of bushfire equipment.
Parks & Gardens
- By providing quality open spaces, parks and reserves that are suitable and accessible for the community.

Sporting grounds & Venues
- By providing high-quality sporting grounds and venues suitable and accessible to all.

Swimming Pools
- By providing recreational facilities for the Upper Hunter community, which are operated in a safe, efficient and effective manner.

Bridges – Local
- By undertaking bridge maintenance and construction works to Council standards and specifications, so as to improve safety and minimise future expenses.

Footpaths and Cycleways
- By providing and maintaining a cycleway / footpath network that will contribute to the accessibility, safety and amenity of streets in Council's town and villages.

RMS State Roads
- By maintaining a skilled workforce so as to remain a core service provider to the RMS.
- By demonstration that we provide a value for money service to the RMS.

Roads – Local
- By undertaking road maintenance and construction works to Council standards and specifications, so as to improve road safety and minimise future expenses.

Roads – Regional
- By undertaking road and bridge maintenance and construction works to Councils standards and specifications so as to improve road safety and minimise future expenses.

Transport Ancillaries
- By promoting traffic and pedestrian safety by the provision and maintenance of regulatory and advisory signage and pavement markings.
- By maintaining street furniture.

Water Services
- By providing an adequate and secure potable water supply to recognise standards in defined areas on a cost effective basis.

Sewage Services
- By maintain sewerage systems for the transportation and treatment of sewage to meet licence requirements.
- By implementing long-term asset replacement strategy.

c. Other Plans

Asset Management Plans.
**IMPLICATIONS**

a. **Policy and Procedural Implications**

Parks, Sporting Fields, Footpath, Road and Bridge maintenance guidelines as identified within Asset Management Plans and Strategic Plans.

b. **Financial Implications**

Identified within individual items in the 2019/20 budgets.

c. **Legislative Implications**

Not applicable.

d. **Risk Implications**

Nil

e. **Other Implications**

Nil

**CONCLUSION**

The updated report is provided to answer previous questions addressed by Councillor’s in the previous Infrastructure committee meetings.

**ATTACHMENTS**

Nil.