To All Councillors

You are hereby notified that the next meeting of the Infrastructure Services Committee will be held on 14 May 2019 in the Barry Rose Room at 12.00pm, for the purpose of transacting the undermentioned business.

The Infrastructure Services Committee consists of

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

STEVE MCDONALD
 GENERAL MANAGER

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

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6. COUNCILLOR QUESTIONS
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 along with upcoming planned works. All works relating to Murrurundi water supply are covered in a separate report.

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

- Upper Hunter Water Supply and Water Treatment Scoping Study
  - Work underway by HH2O, report being finalized week beginning 6 May.
  - HH2O given contacts of Arrowfield and also proposed PID schemes for Gundy, to inform their assessments.
  - HH2O analyzing ‘raw water’ pipeline scenarios.
  - Project schedule is for late May completion date.

- Merriwa STP/Murrurundi STP
  - HH2O awarded work to undertake Options Study for process/treatment improvements at Merriwa STP.
  - HH2O also tasked with reviewing treatment requirements at Murrurundi STP in order to facilitate a recycled water scheme to Wilson Park as an addition to this contract.
  - Draft report received for Murrurundi STP required works – estimated $380,000 in treatment improvements to facilitate irrigation of Wilson Park (UV, chlorination, tanks, pumps).
  - Undertook assessment of the alternatives to recycled water based on future availability of potable water, and the cost of water carting. Resulting 20 year NPV as follows:
    - Recycled Water Scheme $393,503
    - Potable Water ($0.94 per kL) $29,477
Potable Water ($3.60 per kL) $112,890
Potable Water (With 3 yrs carting) $155,210

- This is based on 2000kL per season irrigation volume which is very generous. In fact, if we carted water for the full 20 years, the cost would still only be $345,000 – less than the cost of treatment improvements to facilitate a recycled water scheme.
- Recommend to not proceed any further with development of a recycled water scheme at Murrurundi, and further investigate an alternative option to utilize the Council bore located at Rosedale – currently licensed for stock and domestic only.

- Village Reticulation and Reservoirs
  - Council received confirmation that we have obtained a 60% grant subsidy for $4,444,000 for Village Reticulation and Reservoirs.
  - This funding is for the design and construction of the Parkville, Wingen and Blandford water supply systems via the Scone to Murrurundi Pipeline, and is also for the Murrurundi reservoir.
  - This funding is in addition to the $1,736,000 already approved for use on village reticulation and reservoirs under the current pipeline funding deeds.
  - Funding is contingent on submission and approval of Business Case to the Department of Industry.
  - Council is progressing a development of a Scope of Works for a Detailed Design contract to be let ASAP for the village reticulation.
  - The Murrurundi Reservoir will be constructed by way of a separate Design & Construct tender.
  - This funding does not cover Middlebrook or Gundy water supplies which will be applied for separately at the conclusion of the Scoping Study.

- Cassilis Sewerage Scheme
  - Cardno have nearly completed initial Review of Environmental Factors (REF) assessment.
  - However, due to the future STP site being on ‘flood affected land’ this will likely need a more comprehensive Environmental Impact Assessment (EIS) process to be undertaken.
  - Cardno are providing a quotation to Council to undertake a Flood Study for the STP site, while Council are also preparing a Scope of Works for the possibility of an expanded Flood Study for the region, should it prove cost effective.
  - Cardno are also preparing to undertake a Ground Water Study, so that we can have confidence in the project achieving the outcomes it is designed to achieve – i.e. that town water supplies are secured by implementing town sewer.
  - The additional studies, and the previous land acquisition delays, have meant the project is now scheduled for an early 2021 completion date. Restart NSW have approved the updated project program.
  - Cardno are revisiting potential options to treat the ‘shock loads’ from large events held at the Cassilis Showground, following strong community feedback. The initial concept required these events to be serviced by portable amenities.

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

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.

We are working to achieve the following Community Priorities:

- Reliable and safe water supply.
- Protect the natural environment.

b. Delivery Program

The report addresses the following objectives for works up to 30 June 2019 as described in the 2018/19 DPOP:

**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

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 2018/19 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 Works Program Update - April 2019
## Water and Sewer Works Monthly Update – April 2019

### Works Completed/Underway April 2019

<table>
<thead>
<tr>
<th>Location</th>
<th>Details</th>
<th>Work</th>
<th>Budget Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scone Water</td>
<td>Scone to Murrurundi Pipeline</td>
<td>Tender awarded to Leed Engineering.</td>
<td>Scone Water Supply</td>
</tr>
<tr>
<td>Scone Water</td>
<td>Reinstate Well 5 and 6 for irrigation</td>
<td>Construction works complete at Well 6, quotations received to undertake SCADA works. Awaiting quotation for Well 5 SCADA works. Licence has been linked by the HVERC to allow them to use their own allocation with Well 6 water.</td>
<td>Scone Water Supply</td>
</tr>
<tr>
<td>Scone Water</td>
<td>Upper Hunter Scoping Study</td>
<td>Works progressing by HH2O.</td>
<td>Scone Water Supply</td>
</tr>
<tr>
<td>Scone Water</td>
<td>Village Reticulation</td>
<td>Additional funding approved for design and construction of water supply for Parkville, Blandford and Wingen.</td>
<td>Scone Water Supply</td>
</tr>
<tr>
<td>Aberdeen</td>
<td>Replacement water main MacQueen Street</td>
<td>UHSC staff replaced a water main adjacent to the New England Hwy at St Aubin’s Street, in preparation for RMS to undertake construction of a culvert extension.</td>
<td>Scone/Aberdeen Water Supply</td>
</tr>
<tr>
<td>Scone – Sewage Treatment Plant (STP)</td>
<td>STP Augmentation Work</td>
<td>Minimal progress last month – waiting for outcome of funding application.</td>
<td>Scone Sewer Services</td>
</tr>
<tr>
<td>Scone Sewer</td>
<td>Saleyards Sewer Extension</td>
<td>Underbore designed and approved by ARTC, to be constructed in May.</td>
<td>Scone Sewer Services</td>
</tr>
<tr>
<td>Scone Sewer</td>
<td>White Park Sewer</td>
<td>SPS to be constructed in May.</td>
<td>Scone Sewer Services</td>
</tr>
<tr>
<td>Scone Sewer</td>
<td>Waverley Street Sewer</td>
<td>Received additional relining quotations in regards to the damaged sewer main behind Waverley Street properties. These compare favourably to a recent tender price for main replacement.</td>
<td>Scone Sewer Services</td>
</tr>
<tr>
<td>Cassilis</td>
<td>Cassilis Sewage System</td>
<td>Project program updated to reflect project delays – revised completion date is Feb 2021. Require Environmental Impact Assessment to be undertaken due</td>
<td>Cassilis Sewer Services</td>
</tr>
<tr>
<td>Location</td>
<td>Project/Issue Description</td>
<td>Responsible Party</td>
<td></td>
</tr>
<tr>
<td>--------------</td>
<td>------------------------------------------------------------------------------------------</td>
<td>-------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Murrurundi</td>
<td>Based on HH2O Report, the modifications required to supply recycled water to Wilson Park will be 10 times the costs of using potable water.</td>
<td>Murrurundi Sewer Services</td>
<td></td>
</tr>
<tr>
<td>Merriwa</td>
<td>HH2O undertaking Options Report for Merriwa STP.</td>
<td>Merriwa Sewer Services</td>
<td></td>
</tr>
<tr>
<td>Merriwa</td>
<td>A break in the rising main from the MacKenzie Street Bore caused a subsequent pump failure. The pump was replaced but upon reinstatement another section of rising main was then broken. Council staff will now undertake a replacement of the old rising main from MacKenzie Street to McRae Street.</td>
<td>Merriwa Water Supply</td>
<td></td>
</tr>
<tr>
<td>Aberdeen</td>
<td>Engaged Brooks Brothers to supply the design for Hightower Platform Replacement, as original quote for D&amp;C exceeded $150,000 limit.</td>
<td>Scone/Aberdeen Water Supply</td>
<td></td>
</tr>
<tr>
<td>UHSC</td>
<td>Meeting with DoI Water and Muswellbrook Shire Council to discuss IWCM to occur in May. DoI have indicated funding available to complete the IWCM process.</td>
<td>Scone, Aberdeen, Merriwa, Cassilis &amp; Murrurundi Sewer Services.</td>
<td></td>
</tr>
</tbody>
</table>
### Water and Sewer Works Monthly Update – April 2019

<table>
<thead>
<tr>
<th>Location</th>
<th>Details</th>
<th>Work</th>
<th>Budget Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scone Water</td>
<td>Middlebrook Road</td>
<td>Community consultation process on proposed Middlebrook supply schemes.</td>
<td>Scone Water Supply</td>
</tr>
<tr>
<td>Scone Water</td>
<td>Village Reticulation</td>
<td>Initiate Detailed Design work for connection of Wingen, Parkville and Blandford.</td>
<td>Scone Water Supply</td>
</tr>
<tr>
<td>Scone Water</td>
<td>Scone Reservoir</td>
<td>Install second high zone pump and VSD.</td>
<td>Scone Water Supply</td>
</tr>
<tr>
<td>Scone Water</td>
<td>Aberdeen Intake</td>
<td>Install orifice plate and pipework at wet well for back feed line from Scone.</td>
<td>Scone Water Supply</td>
</tr>
<tr>
<td>Scone Sewer</td>
<td>White Park Sewer</td>
<td>New SPS constructed and commissioned.</td>
<td>Scone Sewer Services</td>
</tr>
<tr>
<td>Merriwa</td>
<td>SCADA/Telemetry Upgrade</td>
<td>Continuing work with Schneider Elec to undertake upgrade works at Merriwa WTP.</td>
<td>Merriwa Water Supply</td>
</tr>
<tr>
<td>Murrurundi</td>
<td>Murrurundi Water</td>
<td>Water carting ongoing.</td>
<td>Murrurundi Water Supply</td>
</tr>
<tr>
<td>Murrurundi</td>
<td>Murrurundi Water</td>
<td>Undertake Concept Design work for new Murrurundi Reservoir.</td>
<td>Murrurundi Water Supply</td>
</tr>
<tr>
<td>Cassilis</td>
<td>Cassilis Sewage System</td>
<td>Environmental studies to be undertaken in April/May, Flood Study undertaken in May.</td>
<td>Cassilis Sewer Services</td>
</tr>
</tbody>
</table>
ISC.05.2 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:

- Willow Tree Road upgrade (Stage 1 and 2)
- Saleyards
- Construction of Kelly’s Gully to Waverley Road (Gundy Road)
- Kingdon Street storm water 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>Approved Grant</th>
<th>$12,161,750</th>
<th>UHSC 79% LPSC 21%</th>
</tr>
</thead>
<tbody>
<tr>
<td>UHSC budget</td>
<td>$ 9,607,782</td>
<td></td>
</tr>
<tr>
<td>Available budget</td>
<td>$ 1,784,971</td>
<td></td>
</tr>
</tbody>
</table>

Key activities undertaken last month:

- Stage 1 Initial seal 7.6km.
  - Pavements are complete and sealed.
- Stage 2 widening of Liverpool Range,
  - Completion of bulk earthworks.
  - Completion of drainage culverts.
  - The team has moved over 220,000 tonnes from the cutting.
Key activities in next three months:
- Completion of drainage pits and causeways.
- Continuation of stage 2 pavement placement and trimming.
- Sealing of pavement stage 2 (multiple sections).

Emerging issues:
- Review of program and budget to ensure the project is delivered on time, within budget and meeting quality expectations.

**MR105 Hunter Road - Kelly's Gully to Waverley Road rehabilitation (Stage 1)**
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 inadequate that has a large volume of heavy vehicles, 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 commenced construction on Stage 1 (1km) of this project in March 2019. The remainder of the project will be delivered in subsequent years as funding becomes available.

Stage 1 of the project is maintaining scheduled progress, with completion anticipated in April 2019. Expenditure is forecast to be within the budget as identified below:

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>UHSC budget</td>
<td>$300,000</td>
</tr>
<tr>
<td>Expenditure to date</td>
<td>$265,076 (some material invoices pending)</td>
</tr>
<tr>
<td>Remaining budget</td>
<td>$34,924</td>
</tr>
</tbody>
</table>

Key activities undertaken last month:
- Stage 1 (Chainage 680 – 1,680; 1km)
  - Primer seal
  - Practical completion

Key activities in next three months:
- Project close our including review of budget and schedule performance.

Emerging issues:
- From committed costs, budget is forecast to be approximately 5% over budget.

**Kingdon Street Stormwater upgrade (Fig Tree gully to the railway)**
As part of Council’s ongoing urban stormwater improvement program, construction of approximately 200m of new reinforced concrete stormwater drainage pipes is planned to commence in May 2019.

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.
Commencement of construction is behind the original schedule, however the project is on track for completion prior to 30 June 2019. Expenditure is forecast to be within the budget allowance as identified below:

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>UHSC budget</td>
<td>$165,000</td>
</tr>
<tr>
<td>ATRC Contribution</td>
<td>$100,000</td>
</tr>
<tr>
<td>Expenditure to date</td>
<td>$10,638</td>
</tr>
<tr>
<td>(additional $55,882 committed)</td>
<td></td>
</tr>
<tr>
<td>Remaining budget</td>
<td>$254,362</td>
</tr>
</tbody>
</table>

Key activities undertaken last month:
- Supply and delivery of remaining drainage pipes.

Key activities in next three months:
- Commence construction.

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:

**ECONOMY AND 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.
- CS27 Maintain and upgrade the road network and bridges.

We are working to achieve the following Community Priorities:
b. **Delivery Program**

The report addresses the following objectives up to June 2019 as described in the 2018/19 DPOP:

**Parks, Gardens and Sporting Fields**
By providing quality open spaces, parks sporting grounds and reserves that are suitable and accessible for the community.

**Roads and Bridges – Local & Regional**
By undertaking roads, stormwater, footpaths and bridge maintenance and construction works to Council’s standards and specifications so as to improve road safety and minimise future expenses.

**Parks & Gardens**
- A parks and open space maintenance program across Council.
- Upgrade or replace parks and playground equipment.

**Roads - Local & Regional**
- A well maintained urban, rural sealed and unsealed road network.
- Increase effectiveness of preventative maintenance work as part of maintenance management works practices.
- Construction and quality specifications for road construction.

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 2017/18 and 2018/19 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

1 Works Delivery Works In Progress for Scone, Murrurundi & Merriwa - May 2019
2 Works Delivery Grant Funded Works Update - May 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>Pavement/Drainage</td>
<td>Scone Crew</td>
</tr>
<tr>
<td>Cooks Gap (MR105)</td>
<td>Pavement Rehabilitation</td>
<td>Scone Crew</td>
</tr>
<tr>
<td>Kingdon Street</td>
<td>Stormwater</td>
<td>Scone Crew</td>
</tr>
<tr>
<td>Willow Tree Rd Stage 2</td>
<td>Ongoing: 36-39km from Scone Rd. Drainage and Base works continuing. Seal scheduled for 38-39km.</td>
<td>Merriwa Construction</td>
</tr>
<tr>
<td>Golden Highway near Redwell Road</td>
<td>Drainage extensions</td>
<td>Merriwa Concrete</td>
</tr>
<tr>
<td>Golden Highway</td>
<td>Heavy Patching Seg. 228-237</td>
<td>Merriwa Grader</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>Stewarts Brook, Brumlo, Mossvale Road, Tomalla, Stoney Creek and Davis Creek Roads</td>
<td>Maintenance Grading</td>
<td>Scone Grader</td>
</tr>
<tr>
<td>Pembroke Road, Rotherwood Road – Subject to water availability and 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>Kelly’s Gully MR105</td>
<td>Pavement</td>
<td>Scone Crew</td>
</tr>
<tr>
<td>Westwood and Willy Wally Rest Area</td>
<td>Landscaping</td>
<td>Merriwa</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>Back Creek, Bowmans Gully South, Hunter Road, Kenelea, Ridgelands Road, Yarrandi Road</td>
<td>Maintenance Grading</td>
<td>Scone Grader</td>
</tr>
<tr>
<td>Flaggs Road, Westwood Road</td>
<td>Maintenance Grading</td>
<td>Merriwa Grader</td>
</tr>
<tr>
<td>Avocado Road, Glenroy Road, Killoe Road, Flight Springs Road, Forest Reserve Road, Hampshire Road, Roma Road, various causeways.</td>
<td>Storm Repairs</td>
<td>Merriwa Grader</td>
</tr>
<tr>
<td>Ref</td>
<td>Funding Amount</td>
<td>Funding Source</td>
</tr>
<tr>
<td>-----</td>
<td>----------------</td>
<td>----------------</td>
</tr>
<tr>
<td>001</td>
<td>$526,000</td>
<td>SCCF 0084</td>
</tr>
<tr>
<td>002</td>
<td>$59,515</td>
<td>SCCF 0259</td>
</tr>
<tr>
<td>003</td>
<td>$154,841</td>
<td>SCCF 0597</td>
</tr>
<tr>
<td>004</td>
<td>$185,000</td>
<td>SCCF 0636</td>
</tr>
<tr>
<td>005</td>
<td>$124,229</td>
<td>SCCF 0647</td>
</tr>
<tr>
<td>006</td>
<td>$291,329</td>
<td>SCCF 0945</td>
</tr>
<tr>
<td>007</td>
<td>$243,750</td>
<td>SCCF 1002</td>
</tr>
<tr>
<td>Ref</td>
<td>Funding Amount</td>
<td>Funding Source</td>
</tr>
<tr>
<td>-----</td>
<td>----------------</td>
<td>----------------</td>
</tr>
<tr>
<td>008</td>
<td>$261,000</td>
<td>SCCF 1051</td>
</tr>
<tr>
<td>009</td>
<td>$137,600</td>
<td>SCCF 1067</td>
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<tr>
<td>011</td>
<td>$164,370</td>
<td>SCCF 1102</td>
</tr>
<tr>
<td>012</td>
<td>$24,685</td>
<td>SCCF 0197</td>
</tr>
<tr>
<td>013</td>
<td>$109,517</td>
<td>PRMFP</td>
</tr>
<tr>
<td>014</td>
<td>$40,000</td>
<td>DCP</td>
</tr>
<tr>
<td>015</td>
<td>$59,000</td>
<td>DCP</td>
</tr>
<tr>
<td>Ref</td>
<td>Funding Amount</td>
<td>Funding Source</td>
</tr>
<tr>
<td>-----</td>
<td>----------------</td>
<td>----------------</td>
</tr>
<tr>
<td>016</td>
<td>$95,000</td>
<td>DCP</td>
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<tr>
<td>017</td>
<td>$183,000</td>
<td>DCP</td>
</tr>
<tr>
<td>018</td>
<td>$84,000</td>
<td>DCP</td>
</tr>
<tr>
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ISC.05.3  
**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 the Committee 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 to Murrurundi Pipeline**

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<thead>
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Key activities since last month:
- Contract kick-off meeting held with Leed Constructions Pty Ltd.

Key activities in the next three months:
- Execution of Deeds of Agreement for easements.
- Detailed planning stage with Leed.
- Safety in Design workshop with Leed.
Scone Golf Course Detailed Design and Reconstruction

Approved total budget $4,021,094 (Revised)
Amount spent each previous year
$ 36,314 (2015/16)
$ 150,621 (2016/17)
$2,983,844 (2017/18)

Budget for current year $850,316 (2018/19)
Amount spent current year $764,805
Available funds/current year $85,511

Key activities undertaken last month:
- Negotiations are underway with contractor to properly achieve practical completion.
- Good progress has been made with weed control in the southern fairways but more grow-in time is required.
- Most of the drainage issues have been addressed but more grow-in time is required. There are still a couple of areas to be addressed.
- Cart paths have been constructed throughout the course.

Key activities in the next three months:
- Continue grow-in.
- Practical completion of contract with McMahons Golf.
- Clean up site ready for use.
- Finalise items outside of McMahons contract, eg. Tree maintenance.
- Finalise lease for operation of golf course.
- Finalise lease for maintenance of golf course.

Emerging issues:
- The contractor McMahons Pty Ltd are required to have the course grown in and are severely behind schedule for practical completion.

Scone Regional Selling Centre – Saleyards Redevelopment

Approved total budget $11,818,270
Amount spent each previous year $565,445 (2017/18)

Budget for current year $9,727,461
Amount spent current year $6,268,672 (2018/19)
Available funds $3,458,789

Key activities undertaken last month:
- The construction of the new selling pens and roofs contract Stages 1, 2 and 3 being finalised.
- Design and planning underway for subsequent stages of selling pens and roofs being finalised.
- Demolition commenced on Stages 5 and 6 (second major shed area).
- Speckle Park Sales occurred in April.
- Establishment of fire ring main.
- Storm water drainage works were continued.
- Construction certificate for final roofing stages has been issued.
Infrastructure Services

Key activities in next three months:
- Firm up operation of proposed manure dewatering facilities. Then arrange construction.
- Carpark works.
- Electrical works.
- Shed and yard works.
- Ramp works.

Emerging issues:
- Stormwater damage from 30 March 2019 storm damaged dam and loss of effluent off site. EPA notified.

Old Court Theatre – Design and Consents

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<tbody>
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<tr>
<td>Available funds</td>
<td>$ 206,978</td>
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</table>

Key activities undertaken last month:
- Investigations of options for works to be completed within the available funds. A report was presented to April Council meeting.

Key activities in next three months:
- Commence building work to the limit of budget.
- Initiate works to secure grant funds currently at risk due to delays in commencement.

Emerging issues:
- Nil

Scone CBD Revitalisation – Detail Design

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</thead>
<tbody>
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<tr>
<td>Available funds</td>
<td>$ 222,067</td>
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</table>

Key activities undertaken last month:
- Approval for additional $200,000 to complete design work.
- Civil Engineer and Landscape Architect addressed committee.
- Ongoing civil design progress addressing hydraulic and pavement options.
- Community consultation strategy developed.
Infrastructure 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, 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 design.

Emerging issues:
- Council seeking funding to complete the remainder of the project.

**Murulla Street Bridge Upgrade**

Forecast Cost $1,250,000
Expenditure year to date $27,518
Available funds $1,222,482

Key activities since last month:
- Concept design being prepared by Bridge Design.
- Water way report being prepared by Bridge Design.
- Geotechnical study being done by RCA.
- Statement of Heritage Impact completed.
- Public display of bridge options.

Key activities in the next three months:
- Completion of concept design.
- Completion of water way report.
- Completion of geotechnical study.
- Completion of tender documents.
- Advertise tender.

Emerging Issues
- Community concerns about visual impact of new structure on the adjacent heritage listed timber foot-bridge, the swinging bridge.

**Omadale Brook Bridge Replacement**

Forecast Cost $1,917,260
Expenditure year to date $14,602
Available funds $1,902,658

Key activities since last month:
- Review of Environmental Factors report completed.
- Geotechnical study completed by RCA.
- Concept design being prepared by Bridge Design.
- Water way report being prepared by Bridge Design.
Key activities in the next three months:
- Completion of concept design.
- Completion of waterway report.
- Completion of tender documents.
- Advertise tender.

Emerging Issues
- Community needs to be informed of a low level crossing being used during works.

OPTIONS

1. Note the report.

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:

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

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

We are working to achieve the following Community Priorities:
b. Delivery Program

The report addresses the following objectives for works to 30 June 2019 as described in the 2018/19 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) 2018/19.

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.05.4  

**CAPITAL WORKS UPDATE**

**RESPONSIBLE OFFICER:** Nicholas Havyatt - Director Infrastructure Services  

**AUTHOR:** Nicholas Havyatt - Director Infrastructure Services

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**PURPOSE**

The purpose of this report is to provide an update on capital works projects within the 2018/2019 budgetary period.

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**RECOMMENDATION**

That the Committee receive the report and note the information.

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**BACKGROUND**

In association with the 2018/19 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 April 2019, which to date is running at 95% of the year to date budget.

Key projects currently include:

- Willow Tree Road Construction
- Saleyards
- Murrurundi Water Pipeline

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**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.

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**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:

**ECONOMY AND 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.

CS27  Maintain and upgrade the road network and bridges.

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 has improved and well maintained roads and bridges.

- Reliable and safe water supply.

b. Delivery Program

The report addresses the following objectives as described in the 2018/19 DPOP.

**Bridges**

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

**Footpaths**

Providing and maintaining a cycleway/footpath network that will contribute to the accessibility, safety and amenity of streets in Council’s towns and villages.

**RMS State Roads**

- Remain a core service provider to RMS
- Provide value for money service to RMS

**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.

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) 2018/19.

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 2018/19 financial year.

**ATTACHMENTS**

Nil
ISC.05.5  
**MURRURUNDI WATER UPDATE**

**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 the Committee with an update of what works have been undertaken this month specifically in relation to the Murrurundi Water Supply.

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**RECOMMENDATION**

That the Committee receive the report and note the information.

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**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 the current outlook is that water may run out completely before the end of the year if alternative arrangements are not made.

**REPORT/PROPOSAL**

Works/progress/issues this month includes:

- Media Release was sent out in relation to average town consumption being higher than in previous months (up to 250kL per day). This may be due to a number of factors, including undetected network losses, but the ‘Water Wise’ messaging was reinforced.
- Ongoing issues with the Litree Plant. The plant is currently running but with some periodic faults. Litree are working with us closely to resolve issues. A previous major issue that caused the plant to be out of action for a few weeks was due to faulty wiring in the pre-membrane filter motor.
- NSW Government has confirmed the subsidy of all water carting costs over $1.90 per kL, up to 188 kL/d, minus any supplies from our bores. This is estimated to be $160,000 by 30 June, and around 50% of our total costs due to our higher than expected consumption.
- NSW Government has also confirmed the subsidy of 50% of the total costs for the Glenalvon (emergency supply) Bore, being $113,710 from a total spend of $227,419.
- ‘Zero water loss’ water mains cleaning has been carried out in Murrurundi over 4 days with positive results. See image below of a spent filter cartridge showing what has been pulled out of the network.
- After a recent rain event and the cooler weather, the Murrurundi Dam rose to, and is now sitting steady at, 3.5 m with negligible water loss to evaporation or seepage. Algae levels remain high, but the dam will be ready to access again if we have any other significant rain event which raises the volume to a usable level (over 3.6 m).
- The Glenalvon Bore is performing very well, with a new flowmeter now installed to replace the one that was damaged by lightning. Averaging 124 kL/d with 21m of water holding steady above the pump.
Works to be undertaken next month:

- Invoices will be submitted to DPI for subsidy payments for water carting and the Glenalvon Bore capital works.

Detection Services ‘NO-DES’ Mains cleaning unit in action.

The first filter change showing accumulated sediment.
Current status (02/05/2019) is:

- Dam Level 3.5 m (17.7%)
- Boyd Street Pump Station supply 56 kL/d
- Glenalvon Bore Pump Station supply 124 kL/d
- Target town consumption 188 kL/d
- Actual town consumption 221 kL/d
- Water carted 140 kL/d

Summary of Murrurundi Dam algae results for April 2019:

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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 ENVIRONMENTAL

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

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.
Report To Infrastructure Services Committee
14 May 2019

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 2019 as described in the 2018/19 DPOP:

Water Supplies

To provide an adequate and secure potable water supply to recognised 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 while ever 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
Pursuant to Section 202 of the Local Government Act 1993, this report is to be read in conjunction with the Council’s Community Strategic Plan 2027.

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.
Infrastructure Services

We are working to achieve the following Community Priorities:

b. Delivery Program

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

c. Other Plans

Nil

IMPLICATIONS

a. Policy and Procedural Implications

Council has a Councillors – Professional Development Policy. Council encourages all Councillors to access training and development opportunities relevant to their roles as Councillors. Attendance at the 2019 NSW Roads Congress falls within this training and development policy and would be of particular interest to Councillors involved in the Infrastructure Services Committee.

b. Financial Implications

There is no cost for Councillors to attend where Council has a paying delegate except for travel and accommodation costs (approximate costs for 1 Councillor $400). Funds are available within Council Services budget. Council has one paid delegate.

c. Legislative Implications

Nil

d. Risk Implications

Nil

e. Other Implications

Nil

CONCLUSION

The Congress gives Councillors an opportunity to be informed on current road policy matters.

ATTACHMENTS

Nil
ISC.05.7  RURAL WATER SUPPLY POLICY

RESPONSIBLE OFFICER: Nicholas Havyatt - Director Infrastructure Services

AUTHOR: Phillip Hood - Manager Water & Sewer

Ordinary Council Meeting at its meeting on 12/02/2019 resolved that the matter be deferred to a future meeting

PURPOSE

To adopt a Policy that provides clear direction to which properties are able, or not able, to connect to water rising mains or trunk mains (such as the Scone to Murrurundi Pipeline) within the Upper Hunter Shire Council and provide appropriate controls and conditions for these connections.

RECOMMENDATION


BACKGROUND

Council’s water supplies are treated to a standard that meets the Australian Drinking Water Guidelines. Whilst the production of quality water primarily occurs during the treatment process, transmission and distribution of the treated water can introduce risks to the ongoing quality of a drinking water supply to the consumer. Inherently, rural property connections to rising mains or trunk mains introduce high levels of hazards and risks to a drinking water supply and because of their location within the network this has the potential to contaminate an entire urban drinking water supply.

There has been strong interest from rural property owners along the route of the soon to be constructed Scone to Murrurundi Pipeline to connect to this new water supply. Council has previously indicated that connection to this pipeline would be supported with appropriate controls/conditions in place.

REPORT/PROPOSAL

The draft Upper Hunter Shire Council Rural Water Supply – Rural Property Connections to Rising and Trunk Mains Policy was placed on Public Exhibition for comment following the resolution of the March 2019 Council Meeting, with the exhibition period closing on 8 May 2019. No public comments were received, but comments made internally by Council staff have been considered in the updated Policy (changes in RED).

This report contains as an attachment the updated Policy that will form the basis of the necessary controls/conditions for properties to be connected to the Scone to Murrurundi Pipeline without jeopardizing the integrity of the pipeline or introducing unacceptable water quality risks.

While this Policy is essential for the connection of properties to the Scone to Murrurundi Pipeline, the intention is for this Policy to apply similarly to all rising mains and trunk mains in the Upper Hunter Shire Council including those that are already existing as well as others yet
to be built. There is no intention, at this stage, to retroactively apply this Policy to existing connections across the Shire.

The Policy will be only applicable to properties that are located adjacent to a Council trunk water main or rising main, or properties that have a Council trunk water main or rising main running through them, that have not yet been connected to the water supply. The water supply will only be available for domestic purposes and/or the watering of livestock.

Properties within the future reticulation areas of Parkville, Wingen and Blandford will not be able to connect to the Murrurundi Pipeline directly, but will be connected subsequently as part of the future village reticulation.

Larger scale, commercial connections to the Scone to Murrurundi Pipeline, such that may be facilitated in the future by the upsizing of the pipeline to Cressfield Road, are not covered by this Policy.

All other conditions for connection as per the attached Policy.

OPTIONS

2. Do not adopt the policy.

CONSULTATION

- Manager Water and Sewer
- Director Infrastructure Services
- Director Corporate Services

Public Exhibition process was communicated via:
- Advertisement in Hunter Valley News 10 April 2019
- On UHSC website from 5 April to 8 May 2019
- Council Meeting Decision media release on 25 March 2019
- Public Exhibition mentioned in Prime News story broadcast 11 April 2019

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.

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.
We are working to achieve the following Community Priorities:

Reliable and safe water supply.

Protect the natural environment.

b. Delivery Program

The report addresses the following objectives for works up to 30 June 2019 as described in the 2018/19 DPOP:

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

c. Other Plans

Various Asset Management Plans.

**IMPLICATIONS**

a. Policy and Procedural Implications

This is a new Policy for Council that introduces a new connection procedure for rural property connections, and the introduction of Water Service Agreements for affected property owners.

b. Financial Implications

This Policy facilitates additional connections to the water supply outside of reticulated areas, which provides additional sources of revenue.

c. Legislative Implications

Connection of rural properties outside of reticulation areas may make it harder (or impossible) to meet all the current conditions of the Australian Drinking Water Guidelines – such as maintaining chlorine residual.
Infrastructure Services

d. Risk Implications

Rural property connections introduce additional risks to the operation of the rising mains and/or trunk mains. There are more points of potential failure or leaks, and more points of potential contamination of the line. This Policy is designed to reduce these risks to acceptable levels.

e. Other Implications

Nil

CONCLUSION

This Policy is essential in order to facilitate rural connections to rising mains or trunk mains, such as the Scone to Murrurundi Pipeline. Without appropriate safeguards, connection of rural properties introduces unacceptable risks to the water supply network. Should Council decide to facilitate future rural property connections, this Policy needs to be implemented and enforced.

ATTACHMENTS

1 Rural Water Supply - DRAFT - Policy - Rural property connections to rising and trunk mains
Rural Water Supply - Policy – Rural Property Connections to Rising and Trunk Mains

Policy

1. This policy is only applicable to properties that are located adjacent to a Council trunk water main or rising main, or properties that have a Council trunk water main or rising main running through them. This policy does not apply to properties within an identified reticulation zone or adjacent to a water main that forms part of a water reticulation network. For the purposes of this policy, any property located outside of a reticulation zone will be referred to as a ‘Rural Property’.

2. All Rural Property connections to a Council operated water supply shall be subject to the acceptance of a Water Service Agreement, signed by the owner, on application to the Council. Each Water Service Agreement will be personal to the property owner and any subsequent land ownership changes will require the new owner to renew the agreement with Council. Indication on requested Planning Certificates will be used to inform potential new owners of the requirement to enter into a new agreement.

3. All Water Service Agreements for connection to a rising or trunk main will have a fixed maximum term of three (3) years from the date of acceptance of the agreement. Upon expiration, renewal of the Water Service Agreement will be required to be undertaken by application if the consumer wishes to continue with water supply. This renewal process will not have a fee.

4. Individual Water Service Agreements may include restrictions regarding intended water use; for example using the water to fill a dam or undertake commercial irrigation activities would not be permissible.

5. Council reserve the right to cease water supply to a Rural Property immediately if the property is determined by Council to be in breach of any of the conditions of the Agreement, or the connection is otherwise determined to be an unacceptable risk to the security of the water supply.

6. Rural Properties able to connect to rising or trunk mains will not ordinarily be water rated under Section 124, Local Government Act (NSW) 1993. However, connection will require payment of 50% of the applicable Headworks Charge and properties will be water rated during the period of connection. Requests to disconnect water supply to an existing property from a rising or trunk main will mean the property will no longer attract an annual water rating following disconnection.

7. The cost of providing a new water connection to a Rural Property will also incur a private works charge and 20mm water meter connection fee, similar to any other domestic water connection.
8. Disconnection from the water supply will incur a disconnection fee whether disconnection has occurred at the request of the property owner, or due to a breach of the conditions of the Water Service Agreement.

9. In the event of a property having been disconnected, any subsequent reconnection applications will result in the property being required to pay all appropriate fees applicable at the time to facilitate water connection. In the event of the reconnection request occurring after two (2) years of disconnection, 50% of the applicable Headworks Charge at the time shall be payable in addition to connection fees and charges.

10. All water connections shall be metered with the meter located within the first 1m of the property along the road frontage that contains the water main, or within 1m of the location of the water main within the property. Water connections will only occur if a property is adjacent to the location of the water main or the water main runs through the property itself. No water service will be allowed by gaining access through another property to the main, nor by running a service under RMS managed roads or rail corridors.

11. Only one metered connection per property will be allowed. Individual Water Service Agreements will be required for each water connection.

12. The water meter shall be protected by the property owner (e.g. from activities such as cattle grazing, crop production or freezing), but shall always remain readily accessible for the purpose of meter reading by Council Officers and agents. Specific protection requirements will be noted within the Water Service Agreement.

13. On-site storage with a minimum capacity of 5,000 litres must be provided by the property owner. Council cannot guarantee continuous supply of water with trunk or rising mains. The pipeline will not be pumping continuously or may be out of service for maintenance. Therefore, a storage tank is required.

14. Council cannot guarantee that there will be sufficient pressure to supply water to an elevated storage tank, it is the responsibility of the property owner to place the storage tank in a suitable location.

15. The water supplied by trunk or rising mains may not meet the quality requirements of the Australian Drinking Water Guidelines, particularly regards to chlorine residual. For this reason, Council cannot guarantee that the water provided to Rural Properties is safe for human consumption without suitable onsite treatment prior to drinking.

16. The connection between the metering point and the storage tank is the responsibility of the property owner, as is the maintenance of this service line. The water level in the storage tank is to be controlled automatically by a ball valve. A minimum air gap of 100mm must be maintained between the tank filling inlet and tank overflow. There shall be no other supply points connected to the service line (such as taps, water
troughs, etc.) prior to the storage tank. Discovery of such supply points may result in immediate disconnection of the service from the water supply.

17. If required, Council may install a pressure-reducing valve or flow control device on Council’s side of the meter. Maintenance and replacement of this device will be the responsibility of the Council. Where these devices are required, initial installation costs will be payable by the property owner. Should it be determined that these devices are required subsequent to the initial connection, installation will still be payable by the property owner.

18. Water supply will only be available for domestic purposes and/or the watering of livestock.

19. Council accepts no responsibility for providing adequate firefighting water supply. It is the responsibility of the property owner to ensure they are meeting all relevant guidelines and/or requirements for fire protection/compliance. The Council water supply may be used to keep any reserve storages for emergency use full, but cannot be relied upon during emergencies.

Objective

The objective of this policy is to:

1. Provide clear direction to which properties are able, or not able, to connect to water supply rising and trunk mains within the Upper Hunter Shire Council.

2. Provide appropriate controls and conditions for water connections to protect the intended water quality and supply performances.

3. Establish appropriate and consistent fees and charges for water connections to rising or trunk mains.

Procedures/Practice

- Water connection work orders
- Development application process

References

- Private works orders
- Australian and New Zealand Standards 3500
- The UHSC Engineering subdivision guidelines
- This Policy replaces the existing policy – WATER SUPPLY – POLICY – Connection to Rural Properties that was adopted by Council at its meeting on 26 June 2017.

Review Date

May 2021 by the Manager Water and Sewer.

Authorised by: ___________________________________________________________ 
Steve McDonald, General Manager  Date
ANSWERS TO COUNCILLOR QUESTIONS

RESPONSIBLE OFFICER: Nicholas Havyatt - Director Infrastructure Services

AUTHOR: Megan Thew - Infrastructure Services Support Officer

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 in to the CRM system and not be shown in this report.

REPORT/PROPOSAL

December 2018

Cr Burns

1. Asked: Number 86 of the Capital Works Expenditure spreadsheet – Bettington St-Merriwa Dr Surgery Renovation is for?

   Response: Director Infrastructure Services advised the final scope is yet to be confirmed.

   Update: Manager Business Services advised that Council offered to organise plans with Phil Eveleigh which were completed. The actual works need to be carried out by the Doctor who is the tenant, as is the case with any commercial lease.

Cr Campbell

1. Asked: What can we do to improve the safety and reduce the near misses along Ringwood Road?
Response: Director Infrastructure Services has advised that Council will report the issue to RMS.

Update: A letter to RMS has been drafted and details to be finalised.

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.

Cr Collison

1. Asked: Can the concrete causeways out at Stewarts brook be programmed to be inspected?

Response: Director Infrastructure Services has advised that staff have logged a CRM Reference 855/2019 and staff have programmed the causeways to be inspected.

Update: Causeways have now been inspected and are scheduled to be completed by the end of June.

2. Asked: There are some Trees along Timor Road that require pruning as trucks are now hitting the tops of them. Can this be inspected?

Response: Director Infrastructure Services has advised that a CRM reference 407/2019 was logged and staff investigated the area and program the works.

Update: Works are programmed and are scheduled to be completed by the end of May.
3. 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.

Cr Campbell

1. Asked: The street light over the Golden Highway on Vennacher Street is still not working. Can this be investigated?

Response: Director Infrastructure Services has advised Staff have logged another request with Ausgrid to have them investigate.

Update: Ausgrid confirmed to Council on 17 April 2019 the lights have been fixed and are now working.

2. 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.

3. Asked: Can the flags for the School crossing be replaced?

Response: Director Infrastructure Services has advised a CRM 889/2019 has been logged for staff to purchase new flags for the school.

Update: Flags have been ordered and will be delivered once received.

April 2019

Cr Maurice Collison

1. Asked: What can Council do to manage overgrown trees that lean over roads?

Response: Director Infrastructure Services advises that Council gather a list of tree maintenance work that is required and develop a program to an external contractor when there is sufficient work to be completed. This is to manage the cost of these works.

2. Asked: There is overgrown vegetation at Rex Collison Bridge and Colonial Swamp Bridge, can this be programmed to be cleaned up?

Response: Director Infrastructure Services advises that works were programmed and are now complete.
3. Asked: A grading program use to be provided to list what roads are scheduled next. Can this program come back as it was very useful?

   Response: Director Infrastructure Services advises that staff will be working towards getting the works back onto the program over the next few months subject to weather conditions.

Cr Ron Campbell

1. Asked: Is Racecourse Road to Borambil programmed for maintenance grading?

   Response: Director Infrastructure Services has advised that staff have inspected Racecourse Road and grading is scheduled for late May.

2. Asked: How are we coming along with the town entry signs on the Golden Highway?

   Response: Director Infrastructure Services

3. Asked: We put in a request for an upgrade for the intersection on Ringwood Road, where is this up to?

   Response: Director Infrastructure Services will continue to discuss the intersection of Ringwood Rd and Golden Highway with the RMS.

Cr Lorna Driscoll

1. Asked: The corner of the intersection of the New England Highway and Perth Street needs a streetlight on it. Can Council enquire about one being erected?

   Response: Staff will investigate an option of a street light at Perth Street and provide feedback.

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:

   ECONOMY AND 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.
Infrastructure Services

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

CS27  Maintain and upgrade the road network and bridges.

We are working to achieve the following Community Priorities:

b. Delivery Program
The report addresses the following objectives up to June 2019 as described in the 2018/19 DPOP:

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

- Roads and Bridges – Local & Regional
  By undertaking roads, stormwater, footpaths and bridge maintenance and construction works to Council's standards and specifications so as to improve road safety and minimise future expenses.

- Parks & Gardens
  • A parks and open space maintenance program across Council.
  • Upgrade or replace parks and playground equipment.

- Roads - Local & Regional
  • A well maintained urban, rural sealed and unsealed road network.
  • Increase effectiveness of preventative maintenance work as part of maintenance management works practices.
  • Construction and quality specifications for road construction.

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 2017/18 and 2018/19 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
CONFIDENTIAL REPORTS

CR.05.1  SCONE GOLF COURSE UPDATE

RESPONSIBLE OFFICER: Nicholas Havyatt - Director Infrastructure Services

AUTHOR: Nicholas Havyatt - Director Infrastructure Services

This matter is considered to be confidential under Section 10A(2) (d i) of the Local Government Act, as it deals with commercial information of a confidential nature that would, if disclosed (i) prejudice the commercial position of the person who supplied it.

PURPOSE

The purpose of this report is to outline where the Scone Golf Course project is up to and how the next step of the process will be managed including the short term maintenance and management of the course and the long term lease arrangements to operate the golf course.