Infrastructure Services Committee Agenda

12 February 2019
To All Councillors

You are hereby notified that the next meeting of the Infrastructure Services Committee will be held on 12 February 2019 in the Barry Rose Room at 1:00pm, 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. DISCLOSURE OF INTEREST

3. PUBLIC PARTICIPATION

4. BUSINESS ITEMS

5. AGENDA ITEMS

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6. COUNCILLOR QUESTIONS
The purpose of this report is to inform Council of the proposal by the Rural Fire Service (RFS) to build two new RFS stations for Gummun and Bow brigades at Merriwa.

**RECOMMENDATION**

That Council receive the report and note the information.

**BACKGROUND**

The RFS has identified the need for two new RFS stations for Gummun and Bow brigades. Currently the two brigades are required to house their trucks in private sheds.

**REPORT/PROPOSAL**

RFS have advised they propose to build a fire station for:

**Gummun Brigade**

RFS propose a Category 2A two bay shed with approval to build a third bay in the future. The shed will have a toilet, kitchenette and storage at an approximate cost of $400,000 (to be confirmed). RFS advise they have full funding for Gummun Station. The proposed site is on a travelling stock route on Coulsons Creek Road (Willow Tree Road) approximately 5.5km north of Merriwa. The site Lot 7002 DP 1054728 is managed by Local Land Services (LLS), who have written to Council in support of the proposal. A concept plan of the fire station is shown below.
Bow Brigade

RFS propose a Category 1B single bay shed with toilet, kitchenette and some storage. RFS advise they have funding for design and approvals. RFS does not have sufficient funds in the current budget to cover the construction costs at this time. The proposed site is on a Travelling Stock Route on Idaville Road near the Golden Highway. The site Lot 7305 DP 1149541 is managed by LLS, who have written to Council in support of the proposal. A concept plan for the fire station is shown below.
OPTIONS

1. Note the report.
2. Decline to note the report.

CONSULTATION

- RFS Liverpool Range Zone
- RFS Gummun Brigade
- RFS Bow Brigade Captain
- Director Infrastructure Services

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.

LEADERSHIP
Goal 9 Advocate for the Community.
CS41 To participate and encourage regional coordination and planning between Councils and other organisations.

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

b. Delivery Program

- Support the Rural Fire Service and provide commitment to the Volunteer Fire Service network.
- Input and support to development of bushfire planning and mapping activities within the Shire area.
c. Other Plans

Nil

**IMPLICATIONS**

a. Policy and Procedural Implications

Nil

b. Financial Implications

Gummun Brigade Station – RFS advise they intend to fund 100% design, approvals and construction.

Bow Brigade Station – RFS advise they intend to design and gain approvals in the next year. Funding for construction has not been confirmed at this time.

c. Legislative Implications

Both sites are Crown land travelling stock routes, managed by LLS. The proposals will need to meet the requirements of the Crown Land Management Act 2016.

d. Risk Implications

Nil

e. Other Implications

Although RFS propose to fund the buildings, under current arrangements the completed buildings will be Council assets.

**CONCLUSION**

Council support the proposed RFS fire stations for Gummun and Bow Brigades as the completed stations will provide greater levels of service and safety to our rural communities by creating a secure storage site for RFS plant and equipment.

**ATTACHMENTS**

There are no enclosures for this report
ISC.02.2

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 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
  - Funding Deed received from Infrastructure NSW.
  - HH2O awarded the work.
  - Project schedule is for late April completion date.

- Merriwa 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.
  - Immediate works to be undertaken at the STP to reduce the surface runoff from neighbouring paddocks which would add to the fecal loading in the ponds. Also fence improvement to prevent cattle accessing the STP site.

- Scone Sewage Treatment Plant (STP) Augmentation
  - Concept Design process ongoing – Detailed Application for funding must be submitted by 1 April due to be considered under the old Safe and Secure program. This application will be undertaken by Cardno as a variation to the Concept Design contract.
• **Water/sewer main capital works tenders**
  o Tender 07/2019
    ▪ St Aubins St water main replacement, Scone
    ▪ Kelly St sewer main replacement, Scone
    ▪ Saleyards sewer main connection, Scone
    ▪ Bernard St water main extension, Murrurundi
    ▪ Gooch Street water main renewal, Merriwa
  o Tender closed 23rd January 2019
  o Site visit Tuesday 18 December
  o Award in February Council Meeting
  o Works to be complete 30 April
  o Tender 08/2019
    ▪ McAdam St underbore, Aberdeen
    ▪ Birrell/Waverly St sewer main works, Scone
  o Tender closes 12th February 2019
  o Site visit Wednesday 30 January
  o Award in February Council Meeting
  o Works to be complete 31 May

• **White Park SPS and Sewer**
  o Received concept design – small package SPS plus 80,000 storage vessel. Designed to accommodate wildly varying flows.
  o NCP engaged to construct sewer gravity mains, manholes and rising main. This was completed before the first event at the facility, with a temporary pump out arrangement put in place.
  o New SPS will be sourced and installed in February to complete the works – aiming to have complete in time for official opening on 9th March.

• **Well 6 Reinstatement**
  o AquaWest are implementing a ‘2-pump and tank’ supply system at Well 6, at a cost of $54,000. This is designed to access to the very bottom of the well with a high flow, low head pump to a 60,000L storage tank, and then supply with a separate pump that can operate efficiently with variable speed and pressure.
  o So far the pumps and elec have been installed and the site is now operational, even though the tank install is still to come.
  o The Reinstated well has proven to be successful, with 12 L/s being delivered at a constant rate to the Race Club storage dam for 9 days (and counting).
  o Council are now working with the Equine Research Centre in order to link their existing license to Council’s well, so we are not using our allocation in order to supply them with water.
Report To Infrastructure Services Committee
12 February 2019

Infrastructure Services

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.
Infrastructure Services

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 - January 2019
### Water and Sewer Works Monthly Update – January 2019

#### Works Completed/Underway in January 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 currently out. Closes 14th February.</td>
<td>Scone Water Supply</td>
</tr>
<tr>
<td>Scone Water</td>
<td>St Aubins Street</td>
<td>Work on main replacement Hill St to accommodate new pedestrian crossing completed.</td>
<td>Scone Water Supply</td>
</tr>
<tr>
<td>Scone (Bypass)</td>
<td>Scone Water and Sewer</td>
<td>Ongoing regular liaison with Daracon to determine service replacement details, additional strategic works, and other supporting works for the bypass construction (such as water access points)</td>
<td>Scone Water/Sewer, Private Works</td>
</tr>
<tr>
<td>Scone Water</td>
<td>Reinstall Well 5 and 6 for irrigation</td>
<td>Well 6 pipework, pump and elec completed – storage tank still to come. Well 5 investigations underway.</td>
<td>Scone Water Supply</td>
</tr>
<tr>
<td>Scone Water</td>
<td>Upper Hunter Scoping Study</td>
<td>HH2O awarded this job, to be completed in 3 months.</td>
<td>Scone Water Supply</td>
</tr>
<tr>
<td>Scone – Sewage Treatment Plant (STP)</td>
<td>STP Augmentation Work</td>
<td>Concept design for STP Augmentation work (ongoing). Detailed Application (Safe &amp; Secure Water Program) for funding for design and construction needs to be submitted by 1 April due to Safe and Secure Funding changes.</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 March.</td>
<td>Scone Sewer Services</td>
</tr>
<tr>
<td>Scone Sewer</td>
<td>White Park Sewer</td>
<td>Gravity sewer mains, manholes, rising main and electrical supply completed. SPS to be sourced and installed in February.</td>
<td>Scone Sewer Services</td>
</tr>
<tr>
<td>Scone Sewer</td>
<td>Aberdeen St Sewer Pump Station</td>
<td>Pump refurbishment, FITT Resources completed.</td>
<td>Scone Sewer Services</td>
</tr>
<tr>
<td>Location</td>
<td>Description</td>
<td>Status/Details</td>
<td>Responsible Agency</td>
</tr>
<tr>
<td>--------------</td>
<td>--------------------------------------------------</td>
<td>-------------------------------------------------------------------------------</td>
<td>----------------------------------</td>
</tr>
<tr>
<td>Scone sewer</td>
<td>Jefferson Park Sewer Pump Station</td>
<td>Pump refurbishment. FITT Resources completed.</td>
<td>Scone Sewer Services</td>
</tr>
<tr>
<td>Cassilis</td>
<td>Cassilis Sewage System</td>
<td>Concept Design for Cassilis Sewage System (On going).</td>
<td>Cassilis Sewer Services</td>
</tr>
<tr>
<td>Murrurundi</td>
<td>Murrurundi Water Supply Bore</td>
<td>Works completed. Bore still producing good water but flow is not enough to much demand. Water carting to subsidize supply has begun.</td>
<td>Murrurundi Water Supply</td>
</tr>
<tr>
<td>Murrurundi</td>
<td>Murrurundi STP</td>
<td>HH2O engaged to review the necessary requirements and/or treatment improvements to provide recycled water to Wilson Park.</td>
<td>Murrurundi Sewer Services</td>
</tr>
<tr>
<td>Merriwa</td>
<td>Metered water filling station</td>
<td>New water filling station purchased for Merriwa. Main works completed, Finance working to set up new card reading system.</td>
<td>Merriwa Water Supply</td>
</tr>
<tr>
<td>Merriwa</td>
<td>Merriwa STP</td>
<td>HH2O engaged to develop Options Report for Merriwa STP.</td>
<td>Merriwa Sewer Services</td>
</tr>
<tr>
<td>Aberdeen</td>
<td>Aberdeen Reservoirs</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>
</tr>
<tr>
<td>Aberdeen Sewer</td>
<td>Effluent Pond Aerators</td>
<td>Installation of aeration units at Aberdeen STP have been successful in reducing algae.</td>
<td>Scone Sewer Services</td>
</tr>
<tr>
<td>UHSC</td>
<td>Integrated Water Cycle Management Plan (IWCM)</td>
<td>Received draft IWCM Revision 2 from consultant. (on going)</td>
<td>Scone, Aberdeen, Merriwa, Cassilis &amp; Murrurundi Water Supply, Scone, Aberdeen, Merriwa &amp; Murrurundi Sewer Services</td>
</tr>
</tbody>
</table>
### Water and Sewer Works Monthly Update – January 2019

<table>
<thead>
<tr>
<th>Location</th>
<th>Chainage/Details</th>
<th>Work</th>
<th>Budget Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scone Water</td>
<td>St Aubin Street</td>
<td>Work continuing, both internal and related works to be undertaken by Daracon as part of Bypass Project.</td>
<td>Scone Water Supply</td>
</tr>
<tr>
<td>Scone Water</td>
<td>Middlebrook Road</td>
<td>Start community consultation process on proposed Middlebrook supply schemes.</td>
<td>Scone Water Supply</td>
</tr>
<tr>
<td>Scone Water</td>
<td>White Park Water</td>
<td>UHSC to finalise water mains work in February.</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>Scone Water</td>
<td>Reinstall Well 5 and 6 for irrigation</td>
<td>Works to be undertaken on Well 5.</td>
<td>Scone Water Supply</td>
</tr>
<tr>
<td>All areas</td>
<td>All areas</td>
<td>2 Tenders to be awarded in February for major main replacement/renewal works (7 identified jobs).</td>
<td>All water/sewer areas</td>
</tr>
<tr>
<td>Merriwa</td>
<td>Metered water filling station</td>
<td>New water filling station in Merriwa commissioned.</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>Cassilis</td>
<td>Cassilis Sewage System</td>
<td>70% Concept Design to be received and next Community Information Session held.</td>
<td>Cassilis Sewer Services</td>
</tr>
</tbody>
</table>
ISC.02.3 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 pavement works stage 1 and earthworks on stage 2.
- Saleyards.
- Golden Highway Segment 221.
- Moobi Road Footpath.

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>UHSC budget</th>
<th>LPSC budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>$12,161,750</td>
<td>$ 9,607,782</td>
<td>$ 2,454,082</td>
</tr>
</tbody>
</table>

Expenditure to date

<table>
<thead>
<tr>
<th>Year</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018/19</td>
<td>$ 2,346,429</td>
</tr>
<tr>
<td>2017/18</td>
<td>$ 3,006,339</td>
</tr>
<tr>
<td>2016/17</td>
<td>$ 201,741</td>
</tr>
<tr>
<td>Available</td>
<td>$ 3,153,273</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,
  - Clearing and bulk earthworks continuing approximately 2.5km of earthworks completed.
  - The team has now moved over 150,000 tonnes from the cutting.
  - The earthworks are taking longer due to the additional material required to be removed. The team has hit hard rock and have engaged larger dozer, it is now expected these works will be completed in March 2019.
Infrastructure Services

Key activities in next three months:
- Progress earthworks on stage 2.
- Pavement works stage 2.
- Drainage stage 1 and 2.

Emerging issues:
- Reviewing and finalising Stage 2 design to minimize earthworks, drainage and control costs.
- There is a risk that we may find rock in the stormwater pipe lines during installation.
- Additional time required to complete earthworks will put the project at risk of not being completed by June 2019.
- Hard road in cutting.

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.
Infrastructure Services

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 - February 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 works</td>
<td>Scone Crew</td>
</tr>
<tr>
<td>Kelly's Gully MR105</td>
<td>Rehabilitation</td>
<td>Scone Crew</td>
</tr>
<tr>
<td>Moobi Road</td>
<td>Footpath Construction</td>
<td>Scone Crew</td>
</tr>
<tr>
<td>Hill Street Scone</td>
<td>Pedestrian Access Improvement</td>
<td>Scone Crew</td>
</tr>
<tr>
<td>Willow Tree Rd Stage 2</td>
<td>Ongoing: 36-39km from Scone Rd earthworks continuing</td>
<td>Merriwa Construction</td>
</tr>
<tr>
<td>Golden Highway Segment 221</td>
<td>Insitu stabilisation at 221, 116 &amp; 110 (programmed using SPA)</td>
<td>Works completed by SPA – UHSC to surveillance the work progress</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>Tomalla Rd, Branch Creek Road</td>
<td>Maintenance Grading</td>
<td>Murrurundi Grader</td>
</tr>
<tr>
<td>Davis Creek/Upper Roucheil – Subject to water availability</td>
<td>Maintenance Grading</td>
<td>Scone Grader</td>
</tr>
<tr>
<td>Gundy Streets</td>
<td>Maintenance Grading</td>
<td>Scone Grader</td>
</tr>
<tr>
<td>Wollar 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>Main St</td>
<td>Footpath Construction</td>
<td>Scone Crew</td>
</tr>
<tr>
<td>Willow Tree Rd Stage 1</td>
<td>Ongoing: 30-33Km from Scone Road</td>
<td>Merriwa Construction</td>
</tr>
<tr>
<td>Golden Highway Segment 221</td>
<td>820m Premill Rehabilitation near Idaville Rd</td>
<td>Merriwa Construction</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>Thompsons Creek, Sparkes Creek, Yarrandi Rd, Rossgole Rd, Cliftlands Rd, Ridgelands Rd, Middlebrook Drive, Middle Rd, Banool Rd, Halls Rd &amp; Neverton Rd</td>
<td>Maintenance Grading</td>
<td>Scone Grader</td>
</tr>
<tr>
<td>Pages Creek, Sargents Gap</td>
<td>Maintenance Grading</td>
<td>Murrurundi Grader</td>
</tr>
<tr>
<td>Cullingral Rd, Tunbridge Rd</td>
<td>Maintenance Grading</td>
<td>Merriwa Grader</td>
</tr>
</tbody>
</table>
ISC.02.4  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

Approved total budget  $14,199,000  (Original project budget by Public Works Advisory. Original scope with pipeline and village reticulation.)

Amount spent each previous 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>$169,466</td>
</tr>
<tr>
<td>2016/17</td>
<td>$241,590</td>
</tr>
<tr>
<td>2017/18</td>
<td>$312,965</td>
</tr>
</tbody>
</table>

Budget for current year  $7,700,000  (2018/19)
Amount spent current year  $318,470  (2018/19)
Available funds/current year  $7,381,530

Key activities since last month:
- Tender was advertised for design development and construction of the pipeline. Pre-tender meeting and site visit was held. Questions have been answered via Addenda.
- Issue of Proposed Acquisition Notices (PAN's) for the compulsory acquisition of easements on Crown lands.

Key activities in the next three months:
- Tenders close 14 February 2019.
- Execution of Deeds of Agreement for Easements.

Emerging issues:
- Nil
White Park Indoor Arena – Stage 1

Approved total budget $2,839,010 ($1,969,010 plus $870,000)
Amount spent each previous year $31,498 (2015/16)
$17,866 (2016/17)
$1,461,227 (2017/18)
Budget for current year $1,380,000 (2018/19)
Amount spent current year $978,543
Available funds/current year $401,457

Key activities undertaken last month:
- Occupation certificate received.
- First event held 26 January 2019.

Key activities in the next three months:
- Complete outstanding construction items e.g. concrete expansion joint seals, additional water tank overflow pipe work.
- Complete work as executed plans, manuals and documents.
- Prepare final claim and close out report for RNSW grant.

Emerging issues:
- Sewer pump station temporary pipework arranged prior to completion of the undercover arena. Council’s Water & Sewer Team will arrange permanent construction.

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 $636,234
Available funds/current year $214,082

Key activities undertaken last month:
- Finalise outstanding construction items e.g. water proofing dams, bentonite waterproofing of the water and recycled effluent dams completed.
- Growing in and weed control. Weed control in the southern fairways requires more work.

Key activities in the next three months:
- Growing in of the golf course.
- Eliminate weed problems on the southern fairways.
- Commission toilet.
- Clean up site ready for use.
Emerging issues:
- The contractor McMahons Pty Ltd are required to have the course grown in and ready for play by July. McMahons Pty Ltd have advised that the course grow in will be completed in early March 2019. Play is expected to commence in March 2019. Weed problem on the southern fairways has not been resolved.

**Scone Sewerage Treatment Plant Augmentation**

<table>
<thead>
<tr>
<th></th>
<th>Amount</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approved total budget</td>
<td>$1,000,000</td>
<td>(Council funded seeking grant)</td>
</tr>
<tr>
<td>Amount spent each previous year</td>
<td>$14,981</td>
<td>(2016/17)</td>
</tr>
<tr>
<td></td>
<td>$57,309</td>
<td>(2017/18)</td>
</tr>
<tr>
<td>Budget for current year</td>
<td>$95,000</td>
<td></td>
</tr>
<tr>
<td>Amount spent current year</td>
<td>$6,470</td>
<td>(2018/19)</td>
</tr>
<tr>
<td>Available funds/current year</td>
<td>$88,530</td>
<td></td>
</tr>
</tbody>
</table>

Key activities undertaken last month:
- Design Consultant is progressing the concept design.

Key activities in the next three months:
- Provide 70% of the design and estimates.

Emerging issues:
- Need to review 2006 Effluent Reuse Management Plan for Scone STP and sites including Golf Course, Bill Rose Sports Complex, Race Course and Bhima Stud.

**Cassilis Sewerage Scheme**

<table>
<thead>
<tr>
<th></th>
<th>Amount</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approved total budget</td>
<td>$2,490,000</td>
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<tr>
<td>Amount spent each previous year</td>
<td>$16,331</td>
<td>(2015/16)</td>
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<td></td>
<td>$2,392</td>
<td>(2016/17)</td>
</tr>
<tr>
<td></td>
<td>$52,778</td>
<td>(2017/18)</td>
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<tr>
<td>Budget for current year</td>
<td>$2,000,000</td>
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<tr>
<td>Amount spent current year</td>
<td>$60,059</td>
<td>(2018/19)</td>
</tr>
<tr>
<td>Available funds/current year</td>
<td>$1,939,941</td>
<td></td>
</tr>
</tbody>
</table>

Key activities undertaken last month:
- Cardno progressing the concept design.
- Sewer treatment site land purchase contract issued. Problem with clause about approval of future house DA on residual lot. Solicitors are resolving issue.

Key activities in next three months:
- Finalise concept design and tender documentation.
- Finalise Sewerage Treatment Plant site acquisition.
- Arrange Section 60 of Local Government Act 1993 approval.
- Arrange Review of Environmental Factors.
Emerging issues:
- Estimates provided with 30% design report are higher than previous estimates and require review. This has been discussed with the consultant and will need careful work to accurately estimate the costs.

Scone Regional Selling Centre – Saleyards Redevelopment

<table>
<thead>
<tr>
<th></th>
<th>Approved total budget</th>
<th>Amount spent each previous year</th>
<th>Budget for current year</th>
<th>Amount spent current year</th>
<th>Available funds</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$11,818,270</td>
<td>$565,445</td>
<td>$ 9,727,461</td>
<td>$ 1,182,854</td>
<td>$ 8,544,607</td>
</tr>
</tbody>
</table>

Key activities undertaken last month:
- The construction of the new selling pens and roofs contract has commenced. Working with contractor and consultants to develop the design.
- Canteen and Administration Centre is now open and operational. Working with contractor to resolve outstanding defects and items to complete e.g. screen door.
- Truck wash effluent dump concrete works.

Key activities in next three months:
- Detailed design and approvals e.g. NSW Fire Brigade to allow final stage construction certificate for the roofs, footings, pens and walkways.
- Construction of manure dewatering facilities.
- Installation of acoustic barrier construction.
- Carpark and road works.

Old Court Theatre – Design and Consents

<table>
<thead>
<tr>
<th></th>
<th>Approved total budget</th>
<th>Amount spent each previous year</th>
<th>Budget for current year</th>
<th>Amount spent current year</th>
<th>Available funds</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$ 227,108</td>
<td>$ 7,108</td>
<td>$ 220,000</td>
<td>$ 12,124</td>
<td>$ 207,876</td>
</tr>
</tbody>
</table>

Key activities undertaken last month:
- Tender report went to November Council meeting. Resolved to not accept any tender and enter into negotiations. Negotiations have commenced.

Key activities in next three months:
- Building work commences to the limit of budget.
- Have further discussions with Liquor and Gaming regarding existing grant funding.
- Call quotes for theatre seating subject to adequate funding.

Emerging issues:
- Nil
**Scone CBD Revitalisation – Detail Design**

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approved total budget</td>
<td>$100,000</td>
</tr>
<tr>
<td>Amount spent each previous year</td>
<td>$30,207</td>
</tr>
<tr>
<td>Budget for current year</td>
<td>$58,500</td>
</tr>
<tr>
<td>Amount spent current year</td>
<td>$47,037</td>
</tr>
<tr>
<td>Available funds</td>
<td>$11,463</td>
</tr>
</tbody>
</table>

Key activities undertaken last month:
- Detailed landscape design has progressed to the point where information from civil design consultant is required.
- Quotations for civil design have closed. Quotations assessment is finalized with a preferred contractor selected.
- Plant Selection/Horticulture Taskforce discussions held with the RMS regarding the Scone Bypass landscaping. Discussions also held with RMS and Council Works Delivery regarding design and long term maintenance.

Key activities in next three months:
- Completion of detailed landscape design and associated civil design work.
- Consultation with major stakeholders.

Emerging issues:
- Current budget insufficient to cover the full cost of civil design consultant. The budget requires to be reviewed.

**Murulla Street Causeway Upgrade**

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forecast Cost</td>
<td>$1,250,000</td>
</tr>
<tr>
<td>Expenditure to date</td>
<td>$13,797</td>
</tr>
<tr>
<td>Expenditure year to date</td>
<td>$13,797</td>
</tr>
</tbody>
</table>

Key activities since last month:
- Funding deed document signed and issued by Infrastructure NSW to Muswellbrook Council.
- REF completed and report issued. No Aboriginal or ecological issues present.
- Concept design being done by Bridge Design.
- Water way report being done by Bridge Design.
- Geotechnical study being done by RCA.

Key activities in the next three months:
- Completion of concept design.
- Completion of water way report.
- Completion of geotechnical study.
- Visual impact assessment and heritage impact assessment on adjacent foot-bridge.
- Completion of tender documents.

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

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:

- 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.
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.02.5  

**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 2018/2019 budgetary period.

**RECOMMENDATION**

That the Committee receive the report and note the information.

**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 January 2019, which to date is running at 80% of the year to date budget.

Key projects currently include:

- Willow Tree Road Construction
- Golf Course Reconstruction
- White Park Arena
- Saleyards
- Murrurundi Water Pipeline
- Resealing works

**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:

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.
Infrastructure Services

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.02.6  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 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 this month includes:

- The Glenalvon Bore was lowered a further 35m on the 23 January, to a new depth of 185m.
- With the pump at this level steady flow rate is 1.26 L/s (109 kL/d) with 26.96m above the pump. This is well below the target value of 200 kL/d. Shortfall in supply will need to be made up by water carting.
- To date, the Glenalvon bore has only provided 7,482 kL of water. This is the equivalent of $82,300 if the same water were to be carted. With total costs now in excess of $230,000, plus ongoing operating costs, the bore will have to keep producing water for another 5 months in order for it to be deemed an overall success.
- Water quality in both dam and the bore remain acceptable for use, however the dam is now too low to feed into the Litree water treatment plant.
- UHSC and Husky Demolitions are now both carting water to the pre-treatment lagoon to subsidize the town supply, with each able to transport 120,000 L/s per day – enough to mean only weekday carting is required for now.
- Issues earlier in the month with the bore motor failing are being resolved with the acquisition of a spare motor so we always have one on hand, and the installation of additional electrical protection devices.

Works to be undertaken next month:

- Confirmation and implementation of NSW Government emergency funding assistance for Murrurundi, including:
  o 50% funding to cover the additional bore construction costs ($230,000).
Infrastructure Services

- Funding for water carting as per Water Carting Plan – currently around $2,232 per week for UHSC, and $10,968 per week for the NSW Government, based on carting costs and current volumes required.
- Request for funding for additional tank storage – specifically infrastructure that will enable us to receive carted water directly into the reticulation if required.
  - Explore options to see if pumping the remaining water from the Dam into the pre-treatment lagoon is feasible. This will have to be assessed against the cost per kL of the remaining water, plus the impact on water quality.

Current status (31/01/2019) is:

- Dam Level: 3.60 m (18.7%)
- Boyd Street Pump Station supply: 29 kL/d
- Glenalvon Bore Pump Station supply: 125 kL/d
- Average town consumption: 239 kL/d
- Target town consumption: 166 kL/d
- Water carted: 50.9 kL/d
- Pre-treatment lagoon: -67.7 kL/d

Note the above figures: These are averages for the week preceding 31/1/19, which is why the ‘water carted’ value is so low. The ‘pre-treatment lagoon’ value means that by week’s end, the pre-treatment lagoon was at a 474 kL deficit – i.e. 474 kL was taken from the stored volume. This will be made back up over the following week/s. If we are on target, the ‘pre-treatment lagoon’ value should either be zero or a positive number. For instance, with the current carting arrangement in place, that figure would be 35.7 kL/d – indicating that the lagoon should increase in volume by 250kL by the end of next week.

Image above shows bore performance at the new, lower level.

**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.

We are working to achieve the following Community Priorities:

\[\text{Image: Reliable and safe water supply.}\]

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
Infrastructure Services

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
ISC.02.7  WATER CONSUMPTION AND WATER WISE RULES

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 and recent introduction of 'Water Wise Rules'.

RECOMMENDATION

That Council receive the report and note the information.

BACKGROUND

In the 2017/18 year Scone/Aberdeen used 23% more water than the year before, and Merriwa used 29% more. In Scone/Aberdeen, the high consumption meant that the 2,000ML high security allocation from Glenbawn Dam was actually exceeded by 17ML. While Council also have an additional 769ML as a general security allocation that we can utilize for town water supply, we should not be relying on this allocation to meet our essential water supply requirements.

An additional 198ML allocation is available from ground water wells in Scone under a different Water Sharing Plan, but these may not be reliable water sources in the future and may be better used to provide more cost effective irrigation water for our parks and sports fields.

When the Scone to Murrurundi Pipeline is constructed, this will create even more demand on the Scone/Aberdeen supply system. Long term demand analysis, restriction levels and license requirements will be reviewed as part of the ongoing IWCM process. Note that currently Water Restrictions are not applicable as per our Drought Management Plan. In the meantime, Council have implemented a ‘Water Wise’ campaign across the Shire, with the message to all residents to reduce their consumption and be more efficient with their day-to-day water use.

With that in mind, this report will look at current water consumption across the Shire, as compared to the record consumption year in 2017/18.

REPORT/PROPOSAL

SCONE/ABERDEEN

By the end of August 2018, the combined Scone/Aberdeen supply system had used 40ML more than the year before – not a great start.

However, this trend did not continue through to the warmer months, with consumption decreasing relative to the year before, despite ongoing water carting and bypass construction works adding to the demands of the system. By the end of January 2019, total consumption is
18ML less than at the same time last year, which means at this rate we should remain within our high security allocation from Glenbawn Dam.

### Scone – Monthly Water Supply Totals

<table>
<thead>
<tr>
<th>Month</th>
<th>2017-18</th>
<th>2018-19</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jul</td>
<td>100.067</td>
<td>121.133</td>
</tr>
<tr>
<td>Aug</td>
<td>114.432</td>
<td>126.790</td>
</tr>
<tr>
<td>Sep</td>
<td>139.850</td>
<td>126.166</td>
</tr>
<tr>
<td>Oct</td>
<td>125.169</td>
<td>128.090</td>
</tr>
<tr>
<td>Nov</td>
<td>139.757</td>
<td>150.441</td>
</tr>
<tr>
<td>Dec</td>
<td>163.006</td>
<td>135.220</td>
</tr>
<tr>
<td>Jan</td>
<td>189.651</td>
<td>192.196</td>
</tr>
</tbody>
</table>

### Aberdeen – Monthly Water Supply Totals

<table>
<thead>
<tr>
<th>Month</th>
<th>2017-18</th>
<th>2018-19</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jul</td>
<td>18.990</td>
<td>22.982</td>
</tr>
<tr>
<td>Aug</td>
<td>22.847</td>
<td>25.221</td>
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<tr>
<td>Sep</td>
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<td>Oct</td>
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<tr>
<td>Dec</td>
<td>49.286</td>
<td>33.913</td>
</tr>
<tr>
<td>Jan</td>
<td>61.434</td>
<td>52.709</td>
</tr>
</tbody>
</table>
Aberdeen Monthly Water Consumption

Monthly Consumption (ML)

Month

Amount

Jan-2019

Scone/Aberdeen - Total Annual Water Consumption (2018-19)

Jan-2019

Accumulated Total Annual consumption (ML) Annual Licence Limit (ML)
MERRIWA

Merriwa also started the year with higher consumption than the year previous. Merriwa does not have the same license allocation pressures as Scone/Aberdeen, but it is interesting to note that in Merriwa, just as in Scone/Aberdeen, consumption has reduced and is now less than at the same time last year.

<table>
<thead>
<tr>
<th>Merriwa Monthly Water Supply Totals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Month</td>
</tr>
<tr>
<td>Jul</td>
</tr>
<tr>
<td>Aug</td>
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<tr>
<td>Sep</td>
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<tr>
<td>Oct</td>
</tr>
<tr>
<td>Nov</td>
</tr>
<tr>
<td>Dec</td>
</tr>
<tr>
<td>Jan</td>
</tr>
</tbody>
</table>

**OPTIONS**

1. Nil

**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
Integrated Water Cycled Management Plan
IMPLICATIONS

a. Policy and Procedural Implications

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

b. Financial Implications

Nil

c. Legislative Implications

Nil

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

While it is hard to determine the exact extent the impact the ‘Water Wise’ campaign is having across the shire, there has been a measurable reduction in overall water consumption. This is despite Australia just experiencing the hottest January ever recorded, and ongoing additional demands from water carting and construction activities.

There is no need for any further water restriction measures at this point in time.

ATTACHMENTS

There are no enclosures for this report
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 Council 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: Can Council put permanent water restrictions in place before they need to be put in place?

   Response: Director Infrastructure Services has advised that a report would be required to go to Council to provide Council with options.

2. Asked: Have we developed a draft lease with the Scone Sports Club and when does it need to be signed

   Response: Manager Special Projects has advised that they are still working on this and should have it resolved soon.

3. 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.
4. Asked: Has there been any further investigation for solar covers to decrease evaporation at the reservoir?

Response: Manager of Water & Sewer has advised that the evaporation is no longer an issue as we are no longer utilizing the Murrurundi Dam for water supply.

Mayor Wayne Bedggood

1. Asked: Have we looked at Alternative Sites for Cassilis Sewage treatment plant?

Response: Manager Special Projects has advised that Council has looked at two alternative sites and will continue to look at more options.

Cr Campbell

1. Asked: Can we increase the amount of recycle bins at Merriwa Waste Depot?

Response: Director Infrastructure Services has consulted with Councils Manager Sustainability and Environment who has confirmed that an extra 10 more recycle bins have been implemented along with a bigger sized cardboard bin.

2. 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.

Cr Fisher

3. Asked: What does it cost for extra bin services?

Response: Director Infrastructure Services has consulted with Councils Manager Sustainability and Environment who has confirmed an additional pro-rata collection fee will be added to your rates. This is $360 for Domestic Waste (+$81.30 Levy) and/or $123 for Recycling in the 2018/19 financial year. This information can also be found on Council’s website.

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.
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 December 2018 Infrastructure committee meeting.

**ATTACHMENTS**

Nil