



**Central
Tablelands
Water**

Business Paper

**Ordinary Meeting of
Central Tablelands Water**

22 June 2022

Canowindra



Friday, 17 June 2022

Notice to Members

Your attendance is requested at an Ordinary Meeting of Council to be held at the Old Vic Inn, Canowindra on Wednesday, 22 June 2022 commencing at 10.30am.

Morning tea will be provided from 10am.

Agenda

1. Opening Meeting
2. Acknowledgement of Country
3. Recording of Meeting Statement
4. Apologies and Applications for a Leave of Absence by Members
5. Confirmation of Minutes from Previous Meeting(s)
6. Matters Arising from Previous Meetings
7. Disclosures of Interests
8. Public Forum
9. Chairperson's Minute
10. Councillor Representation
11. Notices of Motion
12. Reports of Staff
13. Questions on Notice
14. Confidential Matters
15. Late Reports
16. Conclusion of the Meeting

Yours faithfully

A handwritten signature in dark ink, appearing to read "G. Rhodes", is written over a light blue horizontal line.

G. Rhodes
General Manager

ACKNOWLEDGEMENT OF COUNTRY

I would like to acknowledge the Wiradjuri people who are the Traditional Custodians of the Land. I would also like to pay respect to their people both past and present and extend that respect to other Aboriginal Australians who are present.

RECORDING OF MEETING STATEMENT

In accordance with the Central Tablelands Water Code of Meeting Practice, this meeting will be audio recorded and will be uploaded to Council's website within 2 weeks after the meeting. The audio recording will allow members of the public to listen to the proceedings of the Council meetings. The objective of this service is to eliminate geographic and other access barriers for the community wishing to learn more about Council's decision making processes. By speaking at the Council Meeting you agree to be audio recorded. Please ensure that if and when you speak at this Council Meeting that you ensure you are respectful to others and use appropriate language at all times. Whilst Council will make every effort to ensure that audio recordings are available, it takes no responsibility for, and cannot be held liable for technical issues beyond its control. Technical issues may include, recording device failure or malfunction, or power outages. Audio recordings are a free public service and are not an official record of Council meetings. Recordings will be made of all Council meetings (excluding confidential items) and published within 2 weeks after the meeting. For a copy of the official public record, please refer to Council's Business Papers and Minutes page on Council's website. Council does not accept any responsibility for any verbal comments made during Council meetings which may be inaccurate, incorrect, defamatory, or contrary to law and does not warrant nor represent that the material or statements made during the meeting are complete, reliable, accurate or free from error. The audio recording is primarily set up to capture the proceedings of the Council meeting and members of the public attending a Council meeting need to be aware they may be recorded as part of the proceedings.

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HELD ON WEDNESDAY 22 JUNE 2022

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12. REPORTS OF STAFF

12.1) CENTRAL NSW JOINT ORGANISATION BOARD MEETING HELD 26 MAY 2022 (CM.CF.3)

Author: General Manager

IP&R Link: Strategic Priority 3: Regional leadership and collaboration

RECOMMENDATION:

That Council receive and note the Central NSW Joint Organisation Mayoral Report and associated minutes for the meeting held on 26 May 2022.

REPORT

A Central NSW Joint Organisation Board meeting was held at the York Club in Sydney on 26 May 2022. The General Manager represented CTW at the meeting.

From a local water supply authority perspective, guest speakers from the Department of Planning and Environment (DPE) included the following:

- Dr Jim Bentley – Deputy Secretary & Chief Executive Officer NSW Water Sector
- Ms Amanda Chadwick – Executive Director Performance Division – Water Group
- Ms Shagofta Ali – Leader of the Regional Water Strategies

Discussion points included regional water security, regional water strategies, ongoing consultation and support from DPE Water, and water regulatory requirements.

The Board was also briefed on advocacy by the region across multiple fronts in the strategic water planning and management space, including:

- Information on the Options Assessment Process for the Regional Water Strategies;
- 10 yearly independent review by the Natural Resources Commission of the Water Sharing Plans for the Belubula Regulated, Macquarie Bogan Unregulated and Lachlan Unregulated River Water Sources 2012, and
- Feedback to Infrastructure Australia on water infrastructure in their Regional Strengths and Infrastructure Gaps report.

A copy of the Mayoral Report and the Minutes are attached to this report for your information.

BUDGET IMPLICATIONS

Nil

POLICY IMPLICATIONS

Nil

ATTACHMENTS

- 1 CNSWJO Board Meeting 26 May 2022 - Mayoral Report 12 Pages

**Report from the Chair
Central NSW Joint Organisation Board meeting
26 May 2022 in Sydney**

Recommendations

That Council note the report from Mayor on the Central NSW Joint Organisation Board meeting 26 May and provide feedback to the Board regarding post federal election priorities.

Please find following advice from the Chair of the Central NSW Joint Organisation Board meeting 26 May in Sydney. The Board met in Sydney to allow members to attend to Country Mayors Association Health Forum later in the day.

Speakers to the meeting included DPE representatives Amanda Chadwick, Executive Director Performance Division -Water Group, Jim Bentley, Deputy Secretary & CEO NSW Water Sector and Shagofta Ali, Leader of the Regional Water Strategies.



The meeting considered fourteen reports where the full agenda is available on the website <https://www.centraljo.nsw.gov.au/business-papers-agendas/>. There was significant discussion on the opportunities from the federal election result where further advocacy will be undertaken in June alongside of the National General Assembly in June. Advice is sought from members in this regard where correspondence has been provided separately to this report to Council.

A media release was called for and subsequently issued via Mayors that recognises the role of 'local' in the future of the nation's leadership. <https://www.centraljo.nsw.gov.au/media-releases/>

Statement of Budget and Revenue 2022-2023

The Board approved the 2022/2023 Budget and Statement of Revenue to the Board with a 2.5% increase in fees with the exception of fees for the Central Joint Organisation Water Utilities' Alliance

which will have no increase; and an internally restricted reserve of \$150K to enable outcomes from the Best Practice in Procurement Program.

Of interest is;

- the Chair of GMAC is progressing discussion with Lithgow City Council on their interest in membership options;
- The Board is to receive a report on working more closely with Penrith City including membership options; and
- UMCC Upper Macquarie Country Council is to become an associate member.

Best Practice in Aggregated Procurement

The outgoing Board received a report in November 2021 and resolved inter alia to recommend to the incoming Board that it adopt the BPAP Stages 1-6 reports and progress a number of recommendations.

Aggregated procurement has shown over \$5m of savings to members since the JO was proclaimed in May 2018. Please find more detail on cost savings and other value of the JO later in this report.

At the February 2022 meeting, the Board requested a presentation on the BPAP findings which was provided to members via Zoom on 5 May 2022. The presentation can be provided on request. The Board adopted all the recommendations which will now be implemented through the General Managers' Advisory Committee (GMAC).

The Statement of Budget and Revenue makes provision for further investment in this program.

Electric Vehicles

Seven member Councils submitted an EOI to the NSW Government's EV fast charging application. It is understood that some Councils have been contacted by charging network operators. If Councils wish to seek further support from ChargeWorks to assist with responses from operators as a result of the EOI, the JO has agreed to provide each Council up to 2.5 hours of support, which will be funded through the OLG Capacity Building funding earmarked for energy projects.



The round focusing on destination chargers has recently been announced, opening on 23 May and closing on 23 September. The site assessment work undertaken by ChargeWorks in September 2021 identified the following destination charging sites:

Council	Site	Recommended Equipment Size	Estimated Cost EVSE + Install	Estimated Cost Infrastructure
Bathurst	Sofala	1 x 25kW DC	\$30,000	\$0
	Hill End	1 x 22kW AC	\$9,000	\$0
	Rockley	2 x 7kW	\$12,000	\$0
Blayney	Train Station	2 x Lockable Power Point	\$5,000	\$0
	Milthorpe	1 x 22kW Dual Port	\$20,000	\$0
Cabonne	Eugowra - Grevilia Ave Park	1 x 25kW DC	\$30,000	\$0
	Canowindra - Age of Fishes - VIC	1 x 25kW DC	\$33,000	\$0
Cowra	Japanese Gardens	2 x 7kW	\$12,000	\$0
	Aquatic Centre	2 x 7kW	\$10,000	\$0
Forbes	Victoria Park	2 x dual port 22kW	\$24,000	\$0
Lachlan	Bathurst St - Condobolin	1 x dual port 22kW	\$15,000	\$0
	VIC - Lake Cargelligo	1 x dual port 22kW	\$15,000	\$0
	Tottenham Memorial Park	1 x 25kW DC	\$32,000	\$0
Oberon	Tallys Lane	1 x dual port 22kW	\$18,000	\$0
Orange	Civic Centre Carpark	6 x 7kW	\$30,000	\$10,000
	Woolworths Carpark	2 x dual port 22kW	\$26,000	\$0
Parkes	Peak Hill	1 x 25-50kW DC	\$45,000	\$5,000
Weddin	Forbes St	1x 25-50kW Dual port DC	\$45,000	\$5,000
			\$411,000.00	\$20,000.00

The grant guidelines state that DC charging is not covered, so consideration is being given to those sites in the table above flagged for 25kW DC charging and whether 22kW is a suitable alternative.

Support is being provided to members via the JO and the DPE Sustainable Councils team who have provided further funding to engage Chargeworks to assist Councils in preparing and collating the information required for the grant round.

Review of the CNSWJO Strategy

CNSWJO must review its strategy each term. Given JO Board meetings are quarterly, 6 Mayors nominated to form a subcommittee to take on the role of development of the strategy. The mandated Statement of Strategic Regional Priority is due in December 2022 and the subcommittee have been meeting regularly. Council will receive correspondence separately on the work undertaken by the subcommittee including seeking feedback on the draft priorities for the region.

The Board adopted the Central NSW Economic and Social Environmental Scan and this is available on the CNSWJO website at <https://www.centraljo.nsw.gov.au/reports-policies/> This document provides advice on the opportunities identified at the State and Federal level for the Central NSW region and is a useful resource for Councils as it brings together a significant number of strategies the impact all members.

Finally, there will be a Summit in region in September where all Councillors will be invited to come together to shape the regional strategy going forward.

Transport

Industry attending a meeting in Forbes, July 2019 identified the need for work to be done to enable Small to Medium Enterprise to access Inland Rail.

Subsequently a successful application by the CNSWJO and RDA Central West for a fully funded business case to be developed for a productivity enhancement project for Inland Rail. This project is being funded by the Department of Infrastructure, Transport, Regional Development and Communications.

The Board adopted the P2_022 Central West Consolidation Centre Gate 2 Pre-Feasibility Study report requires this project is at Gateway 2 -prefeasibility, we can now progress to Gateway 3.

Please request the summary advice (placemat in body of report) and see a presentation on the following link that was to be given to the Board but was cancelled with limited numbers available.
<https://acrobat.adobe.com/link/review?uri=urn:aaid:scds:US:a4bc417f-878a-3ccb-bf23-f5186f8576e8>

Water

Please request the full report that provides updates on advocacy by the region across multiple fronts in the strategic water planning and management space, including;

- information on the Options Assessment Process for the Regional Water Strategies,
- 10 yearly independent review by the Natural Resources Commission of the Water Sharing Plans for the Belubula Regulated, Macquarie Bogan Unregulated and Lachlan Unregulated River Water Sources 2012;
- on feedback to Infrastructure Australia on water infrastructure in their Regional Strengths and Infrastructure Gaps report.

With the implementation of a new Regulatory Framework for Local Water Utilities proposed to take effect from 1 July 2022, the Town Water Risk Reduction Program (TWRRP) has sought feedback on a draft Regulatory Framework for LWUs over April. While the sector has been working with the TWRRP for the past 18 months the issuing of the draft framework has drawn together the various moving parts of the program into one document that will be supported with a number of Guidance Notes currently being drafted.

At the same time the region is being asked to provide feedback to the Natural Resources Commission on whether the decade old Water Sharing Plans based on 20-year-old data should be reviewed or just extended. Town water was definitely an afterthought in these plans. It is critical that they are reviewed.

Likewise, the IA Regional Strengths and Infrastructure Gaps report does not adequately represent the region's current or future needs with respect to town water.

Where the State Government has emphasised the importance of the Regional Water Strategies in addressing water needs including for towns, progress is slow. Current advice is that they should be on exhibition in the second half of this calendar year.

Regional Submissions

Members have forwarded requests for the JO to lodge submissions, where all advice provided is within existing policy. All are available on the CNSWJO website at

<https://www.centraljo.nsw.gov.au/submissions/>

The Board has approved and/or endorses submissions for the

- a. Draft Central West and Orana Regional transport Plan;
- b. IPART proposed changes to the Waste Levy;
- c. DPE on the Draft Regulatory Framework for Local Water Utilities
- d. DPE on the draft Guidance Notes on Using the Integrated Planning and Reporting framework for local water utility strategic planning
- e. RACE for 2030 funding to enable an orderly transition to a renewable energy future; and
- f. Transgrid Consultation re Maintaining Reliable Supply to the Bathurst, Orange and Parkes areas.

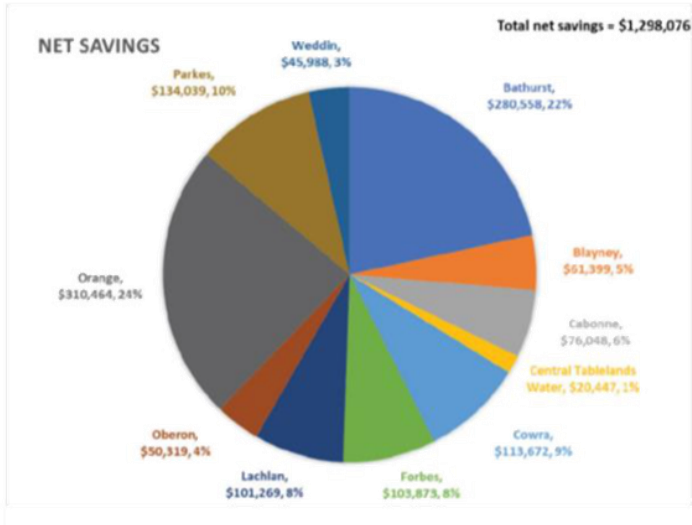
Value to members

A snapshot of the value to members of the various activities undertaken by the JO for their members in the context of the CNSWJO Strategic Plan follows.

VALUE FOR MEMBERS 2020/2021	FY 2019/2020	FY 2020/2021	FYTD 2021/2022
SUBMISSIONS	20	23	16
PLANS, STRATEGIES AND COLLATERAL	26	12	2
GRANTS SEEKING	3	3	0
GRANT FUNDING RECEIVED	\$215k	\$736k	0
COMPLIANCE	13	9	10
DATA	6	3	1
MEDIA INCLUDING SOCIAL MEDIA	13	18	22
COST SAVINGS	\$1.87m	\$2.2m	\$1.3m
REPRESENTATION	147	159	206
OPPORTUNITIES COUNCILS HAVE BEEN AFFORDED	35	102	100

Savings

The following chart shows the savings achieved by member councils through aggregated procurement and programming net of JO costs. An explanation of the meaning of each column has been reported previously and is available on request. The chart reflects savings in the 21/22 financial year to date.



Please contact Ms Jennifer Bennett, Executive Officer, 0428690935, with any queries regarding this advice.

Minutes of the CNSWJO Board Meeting 26 May 2022 held in Sydney at Club York.

In Attendance

Cr R Taylor	Bathurst Regional Council	Cr M Kellam	Oberon Council
Cr K Beatty	Cabonne Council	Cr J Hamling	Orange City Council
Cr B West	Cowra Shire Council	Cr K Keith OAM	Parkes Shire Council
Cr P Miller OAM	Forbes Shire Council		

Mr D Sherley	Bathurst Regional Council	Ms R Fagan	RDACW
Mr B Byrnes	Cabonne Council	Mr W Sunderland	RDACW
Mr P Devery	Cowra Shire Council	Mr B Reynolds*	UMCC
Mr S Loane OAM	Forbes Shire Council	Ms J Bennett	CNSWJO
Mr G Wallace	Oberon Council	Ms M Macpherson	CNSWJO
Mr D Waddell	Orange City Council	Ms A Thomas	CNSWJO
Mr G Rhodes	Central Tablelands Water	Ms C Griffin	CNSWJO

*Joined via zoom

Meeting opened at 9.02 am by Chair Cr Kevin Beatty

1. **Welcome from the Chair**
2. **Acknowledgement of Country**
3. **Speakers from the Department of Primary Industries & the Environment**
 - Amanda Chadwick, Executive Director Performance Division -Water Group
 - Jim Bentley, Deputy Secretary & CEO NSW Water Sector
 - Shagofta Ali, Leader of the Regional Water Strategies

4. **Apologies applications for a leave of absence by Joint Voting representatives**

Cr S Ferguson, Cr J Medcalf, Cr C Bembrick, Cr D Somerville, Mr K Boyd, Mr G Tory, Mr M Kershaw, Mr R Earl.

Resolved	Cr P Miller/Cr J Hamling
That the apologies for the Central NSW Joint Organisation Board meeting 26 May 2022 listed above be accepted.	

5. **Conflicts of Interest**

Resolved	Cr M Kellam/ Cr K Keith
A conflict of interest was declared for the Economic Environment and Social Assessment.	

6. **Minutes**

Confirmation of the Minutes of the Central NSW Joint Organisation meeting 24 February 2022 held in Canowindra

Resolved	Cr P Miller/Cr R Taylor
That the Central NSW Joint Organisation Board confirm the Minutes of the meeting 24 February 2022 held in Canowindra.	

7. **Business Arising from the Minutes – Matters in Progress**

Resolved	Cr K Keith/Cr M Kellam
That the Central NSW Joint Organisation Board note the Matters in Progress, making deletions as suggested.	

8. Reports on Statement of Regional Strategic Priority**Priority One: Inter-Council Co-operation****a. Financial Report**

Resolved	Cr B West/ Cr M Kellam
That the Board note the Financial Report.	

b. Remuneration for the Chair and or other Mayors in their capacity as Board members for the Central NSW JO

Resolved	Cr M Kellam/Cr J Hamling
That the Board note the report on remuneration of the Chair and defer the matter to the next meeting.	

c. Statement of Budget and Revenue 2022-2023

Resolved	Cr P Miller/Cr M Kellam
That the Board note the Report on the Statement of Budget and Revenue 2022/2023 and	
1. Approve the draft 2022/2023 Budget and Statement of Revenue to the Board including	
a. A 2.5% increase in fees with the exception of fees for the Central Joint Organisation Water Utilities' Alliance which will have no increase;	
b. an internally restricted reserve of \$150K to enable outcomes from the Best Practice in Procurement Program;	
c. noting that the Chair of GMAC is progressing discussion with Lithgow City Council on their interest in membership options;	
d. receive a report on working more closely with Penrith City including membership options; and	
2. Offer an associate membership to the Upper Macquarie Country Council for \$2000.	

d. Review of the Statement of Strategic Regional Priority Subcommittee update

Resolved	Cr M Kellam/Cr B West
That the Board note the report on progress on developing the Statement of Strategic Regional Priority for this term of the JO; and	
a. Adopt the Terms of Reference for the Statement of Strategic Regional Priority Subcommittee;	
b. Adopt the Environmental Scan of Social and Economic Strategies; and	
c. Write to members updating them on the process and seeking feedback on priorities.	

e. Advocacy to the State and Federal Governments

Resolved	Cr P Miller/Cr B West
That the Board note the report on Advocacy to the State and Federal Governments and	
1. Seek feedback from members regarding messages	

f. Best Practice in Aggregated Procurement Program

Resolved	Cr K Keith/Cr M Kellam
That the Board notes the report on the Best Practice in Aggregated Procurement Program and	
1. Adopt the Stages 1-6 deliverables including the recommendations and	
a. consider the extent to which Procurement Model 2 is of value to members;	
b. build on the strength of the procurement roles of the JO;	
c. adopt a management fee model for income to the JO using a shared cost savings methodology;	
d. consider using a shared cost savings methodology for the resourcing required for the JO to support an increased level of procurement as well as supporting other JO programming more broadly noting that councils are reporting they do not want to pay more in fees;	

- e. consider other value-added services including training, sharing expertise, audits and health checks etc., and how these would be funded;
- f. consider each of the best practice initiatives and decide which should be pursued and in which priority order; and
- g. send the letter to the Minister for Local Government regarding changes to the Act in relation to procurement undertaken by Joint Organisations as per Stage 1b advice;
2. Nominate the Inter-Council Cooperation Priority Sponsoring General Managers and the Chair of GMAC to oversee the progression of the recommendations;
3. Internally restrict \$150k from reserves to enable the outcomes of the Best Practice in Aggregated Procurement Program; and
4. As part of the review of the Statement of Strategic Regional Priorities, consider the recruitment of a Project Officer to support the procurement and contract management function of the JO, as well as other regional programs as needed.

g. Regional Procurement and Contracts

Resolved	Cr M Kellam/Cr B West
That the Board notes the report on the Procurement and Contract Management and	
<ol style="list-style-type: none"> 1. approve a 12-month extension for the following contracts: <ol style="list-style-type: none"> a. restocking of first aid kits with St John Ambulance; b. Employee Assistance Program with Converge International; c. traffic control training with Dubbo Traffic Control, Admire Workplace Safety, and Australian Training and Consulting; 2. note a 3-month extension of the ERP contract with 100% Renewables; 3. approve a new procurement process for: <ol style="list-style-type: none"> a. restocking of first aid kits, with the inclusion of a 5% contract management fee; b. Employee Assistance Program, with the inclusion of a 5% contract management fee; and c. asset revaluations of buildings and operational land, with the inclusion of a 5% contract management fee. 	

h. Energy Program

Resolved	Cr M Kellam/Cr J Hamling
That the Board notes the report on the Energy Program and	
<ol style="list-style-type: none"> 1. notes the progress on the electricity procurement process; 2. notes the update on the Southern Lights project, particularly in relation to Essential Energy's decision to not proceed with smart controls at this time, and seek further information on alternate options from Councils to enable them to optimise the street lights; 3. endorse the Transgrid consultation submission in regard to Maintaining Reliable Supply to the Bathurst, Orange and Parkes areas; and 4. encourage members to participate in the recently announced grant funding round for EV destination chargers. 	

i. Skills Shortages Report

Resolved	Cr K Keith/Cr B West
That the Board note the Skills Shortages report.	

Priority Three: Transport and Infrastructure

j. Inland Rail Productivity Enhance Program – Adoption of the Ernst & Young Report P2_022 Central West Consolidation Centre Gate 2 Pre-Feasibility Study

Resolved	Cr K Keith/Cr P Miller
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That the Board adopt the P2_022 Central West Consolidation Centre Gate 2 Pre-Feasibility Study report with the following feedback for inclusion in Gate 3;

1. value to other Councils in the region in the context of value to the producer;
2. more detail on the potential of fertiliser aggregation to and from the region;
3. more business engagement;
4. non-infrastructure enablers like AQUIS located in region; and
5. the potential for induced demand.

11.00am

Cr Kevin Beatty left the meeting to attend the NSW JO Chairs meeting with Ms Meredith Macpherson

There was a short recess.

11.15am Meeting resumed with Cr Kellam as Chair

Priority Four: Regional Water Security

k. Water Update

Resolved	Cr R Taylor/Cr B West
That the Board note the Regional Water report and	
<ol style="list-style-type: none"> 1. endorse the submission made through the Executive to the DPE TWRRP on the Draft Regulatory Framework; 2. endorse the submission made through the Executive to the DPE TWRRP on the Draft Guidance Notes on Using the Integrated Planning and Reporting framework for local water utility strategic planning; 3. commend that submissions be made through the Executive to the Natural Resources Commission recommending that the Water Sharing Plans for the Macquarie-Bogan and Lachlan Unregulated River Water Sources be reviewed to recognise and better enable water for critical human needs; 4. write Letter to Kevin Anderson regarding the water supply 75/25 funding framework and linkages to CSO. 	

I. Report to the Central NSW JO Strategic Plan and Statement of Regional Strategic Priority

Resolved	Cr P Miller/Cr K Keith
That the Board note the report to the Central NSW JO Strategic Plan and Statement of Regional Strategic Priority and	
<ol style="list-style-type: none"> 1. adopt the Terms of Reference for the Central NSW Joint Organisation Audit Risk and Improvement in Councils Working Group; 2. endorse the following submissions: <ol style="list-style-type: none"> a. Draft Central West and Orana Regional Transport Plan; and b. IPART proposed changes to the Waste Levy; 3. endorse the \$5k for the renewal of the Regional Activators Alliance Membership for another 12 months; 4. follow-up on the advice from the Auditor General about our representation on anomalies in the common Planning assumptions; 5. authorise Ms J Bennett as a member Board of Regional Arts NSW; 6. follow-up with the Minister for Tourism, Stuart Ayres, regarding signoff to enable the changed Destination Central Network Boundary including Forbes, Parkes and Lachlan; 7. advocate to ensure all members of the CNSWJO are included in the Central West Regional Leadership Executive Boundary; and 8. invite Mr Garry Barnes to the next meeting. 	

9. Confidential Reports

a. Legal Advice to inform response to the Town Water Risk Reduction Program Consultation Draft Regulatory Framework for Local Water Utilities

Resolved	Cr P Miller/ Cr J Hamling
That the Board:	
<ol style="list-style-type: none"> 1. Move into closed session to consider legal advice; 2. Pursuant to section 10A(1)-(3) of the Local Government Act 1993, the media and public be excluded from the meeting on the basis that the business to be considered is classified confidential under the provisions of section 10A(2) as outlined above; and 3. Correspondence and reports relevant to the subject business be withheld from access. 	

Resolved	Cr B West/ Cr R Taylor
That the Board note the confidential report on the Response to the Town Water Risk Reduction Program Consultation Draft Regulatory Framework for Local Water Utilities and under the hand of the Chair develops a submission and advocates strongly in response to the Town Water Risk Reduction Program Consultation Draft Regulatory Framework for Local Water Utilities that draws on legal advice from Crennan Legal and supports:	
<ol style="list-style-type: none"> 1. Funding for town water infrastructure decoupled from strategic planning by Local Water Utilities that recognises that access to quality secure water is a basic human right 2. Strategic Planning for LWUs to be removed from the regulatory framework recognising strategy is also regulated in the Integrated Planning and Reporting (IP&R) framework of the <i>Local Government Act 1993</i> 3. A Section 60 appeal process that provides for independent dispute resolution 4. A funding framework that incentivises JOs in a regional approach to LWU strategic planning where value to both the State Government and JO members can be leveraged 5. An opportunity for the CNSWJO to pilot using the IP&R framework for local water utility strategic planning through a regional lens with its member Councils 6. Assurance from the DPE to the provision of one-source of truth with respect to secure yield data 7. Commitment to the need for inter-governmental collaboration on strategic regional water planning and management through a multi-agency committee with Local Government at the table in regional NSW, including a Governance and Implementation Plan for delivery of the long-awaited place-based Regional Water Strategies. 	

b. Small Market Electricity Sites Contract

Resolved	Cr J Hamling/ Cr K Keith
That the Board note the report on the small market electricity contract and	
<ol style="list-style-type: none"> 1. approve the transition to the NSW Government contract for small market electricity sites with Shell Energy and that CNSWJO does not conduct a new procurement process, 2. note the legal advice received in relation to the early exit of the current small market electricity contract, and 3. members to give consideration to whether they wish to transition to the NSW Government contract when it commences on 1 July 2022 or wait until 1 January 2023. 	

Resolved	Cr K Keith/Cr R Taylor
That the Board resumes open session.	

10. Late Reports – Nil

11. Matters raised by Members

Parkes: Ms J Bennett to bring a report to the Board on the potential for more activity in screen in Central NSW.

12. Speakers to next meeting

1. Mr Matt Keane - Treasurer, and Minister for Energy
2. Mr James Griffin - Minister for Environment and Heritage
3. Mr Dougall Saunders -Minister for Agriculture, and Minister for Western New South Wales
4. Mr Sam Farraway – Minister for Regional Transport and Roads
5. Ms Wendy Tuckerman – Minister for Local Government
6. Mr Anthony Roberts - Minister for Planning and Minister for Homes
7. Mr Brad Hazzard - Minister for Health
8. Ms Bonnie Taylor - Minister for Regional Health
9. Mr Kevin Anderson - Minister for Lands and Water, and Minister for Hospitality and Racing
10. Mr Paul Toole - Deputy Premier, Minister for Regional New South Wales, and Minister for Police

Seek to have dinner at Parliament House and for the Deputy Premier, ask Deputy Premier Paul Toole, to host.

13. Next meeting

GMAC – 28 July 2022

Board – 25 August 2022 – State Parliament

Meeting close 11.44pm

Page 6 is the last page of the Central NSW Joint Organisation meeting 26 May 2022

12.2) **DRAFT CODE OF MEETING PRACTICE POLICY (CM.ME.1)**

Author: General Manager
IP&R Link: Strategic Priority 2: An efficient, sustainable and customer focused organisation – 2.5: Efficient business operations – 2.5.5: Good governance in place with timely management of council meetings.

RECOMMENDATION:

That Council adopt the draft Code of Meeting Practice Policy, which includes the new provisions outlined in the *Model Code of Practice for Local Government in NSW 2021*.

REPORT

At the April 2022 Council meeting it was resolved as follows:

That Council:

1. *Note the report, and*
2. *Endorse the draft Code of Meeting Practice Policy, which includes the new provisions outlined in the Model Code of Meeting Practice for Local Government in NSW 2021, to be placed on public display for a period of 28 days.*

As the draft Code of Meeting Practice Policy has been on public exhibition for the required period of 28 days with no submissions received, Council can now proceed to adopt the Code of Meeting Practice Policy.

BUDGET IMPLICATIONS

Nil

POLICY IMPLICATIONS

The draft Code of Meeting Practice Policy reflects the latest update to the *Model Code of Meeting Practice for Local Government in NSW 2021*.

The new Model Meeting Code contains new provisions that allow councils, including county councils, to permit individual councillors to attend meetings by audio-visual link and to hold meetings by audio-visual link in the event of natural disasters or public health emergencies.

ATTACHMENTS

Nil.

12.3) DRAFT COUNCILLOR PAYMENT OF EXPENSES AND PROVISION OF FACILITIES POLICY (CM.ME.1)

Author: General Manager
IP&R Link: Strategic Priority 2: An efficient, sustainable and customer focused organisation – 2.5: Efficient business operations – 2.5.5: Good governance in place with timely management of council meetings.

RECOMMENDATION:

That Council:

1. Note the report, and
2. Endorse the draft Councillor Payment of Expenses and Provision of Facilities Policy, and place on public display for a period of 28 days.

REPORT

Council is required under Sections 252 and 253 of the *Local Government Act 1993* to adopt a councillor expenses and facilities policy within the first twelve months of each term of Council.

CTW's Councillor Payment of Expenses and Provision of Facilities Policy has been reviewed and updated accordingly and is now presented to Council for endorsement prior to proceeding on public display for a period of 28 days.

BUDGET IMPLICATIONS

Nil

POLICY IMPLICATIONS

Nil

ATTACHMENTS

- | | | |
|---|---|------------|
| 1 | CTW-PR032 Draft Councillor Payment of Expenses and Provision of Facilities Policy | 7
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|---|---|------------|



**Central
Tablelands
Water**

**Draft Councillor Payment of
Expenses and Provision of
Facilities Policy
(CTW-PR032)**

DOCUMENT CONTROL

Document Title		Councillor Payment of Expenses and Provision of Facilities			
Policy Number		CTW-PR032			
Responsible Officer		Director Finance and Corporate Services			
Reviewed by					
Date Adopted		December 2015			
Adopted by		Council			
Review Due Date		June 2022			
Revision Number		2			
Previous Versions	Date	Description of Amendments	Author	Review/ Sign Off	Minute No: (if relevant)
1	12/10/16		DFCS		16/079
2	10/06/22		DFCS		

Purpose

- To provide reasonable reimbursement of expenses incurred by councillors when conducting approved Council business.
- To provide reasonable facilities to councillors in the carrying out of their duties as councillors of Central Tablelands Water.
- To ensure accountability and transparency in the reimbursement of expenses and provision of facilities to councillors.

Reporting Requirements

As part of Central Tablelands Water's Annual Report the following will be reported upon:

- Total amount spent on the provision of dedicated office equipment allocated to councillors;
- Total amount spent on telephone calls made by councillors;
- Total amount spent on the attendance of councillors at conferences and seminars;
- Total amount spent on training of councillors and provision of skill development;
- Total amount spent on interstate visits by councillors, including transport, accommodation and other out-of-pocket travelling expenses;
- Total amount spent on overseas visits by councillors, including transport, accommodation and other out-of-pocket travelling expenses;
- Total amount spent on the expenses of any spouse, partner or other person who accompanied a councillor, being expenses payable in accordance with the Guidelines, and
- Total amount spent on the expenses involved in the provision of care for a child or an immediate family member of a councillor.

Legislative Provisions

Section 252 Local Government Act 1993 – Central Tablelands Water must adopt/review its policy concerning the payment of expenses incurred or to be incurred by, and the provision of facilities to, the chairperson and councillors in relation to discharging the functions of civic office within 12 months of each Local Government Election

Section 253 Local Government Act 1993 – Central Tablelands Water must:

- (1) Give public notice of its intention to adopt or amend a policy for the payment of expenses or provision of facilities allowing at least 28 days for the making of public submissions.
- (2) Before adopting or amending the policy, consider any submissions made within the time allowed for submissions and make any appropriate changes to the draft policy or amendment.
- (3) Despite subsections (1) and (2), Central Tablelands Water need not give public notice of a proposed amendment to its policy for the payment of expenses or provision of facilities if it is of the opinion that the proposed amendment is not substantial.

Section 254 Local Government Act 1993 - Consideration of Policy must not be closed to public.

Section 23A Local Government Act 1993 – The Departmental Chief Executive of the Office of Local Government may from time to time prepare, adopt or vary guidelines relating to the exercise by a council of any of its functions.

Clause 217(1(a)) Local Government (General) Regulation 2021 – Central Tablelands Water must include in its annual report, details of overseas visits undertaken by councillors, Central Tablelands Water staff or other persons while representing Central Tablelands Water.

Clause 217(1(a1)) Local Government (General) Regulation 2021 – Central Tablelands Water must include in its annual report, the total cost during the year of the payment of expenses and the provision of facilities to the chairperson and councillors.

Section 18 Government Information (Public Access) Act 2009 – The Policy is required to be made publicly available.

Expenses:

- (a) Council pay councillors an annual fee based on the maximum fee as determined by the Local Government Remuneration Tribunal and superannuation at the rate as determined by the Superannuation Guarantee Act;

In addition to the annual fee including superannuation, Council reimburse actual expenses incurred to any councillor who:

- ii. attends a meeting of any committee of Council,
 - iii. attends an inspection within the area in compliance with a resolution of the Council,
- (b) undertakes business of the Council outside of the area in compliance with a resolution of Council.
- (c) Council recompense councillors for travelling expenses at the rates per kilometre allowed at the time by the Australian Taxation Office (ATO) for all travelling associated with attendance at Council meetings or other business as specified in (b) above.
- (d) Council allow councillors any reasonable use of facilities to assist in their carrying out of business on behalf of the Council, such use being entirely at the discretion of the General Manager.

Facilities:

Councillors are provided with access and use of the following to discharge their official duties:

- a. Access to a room suitably furnished for use by all councillors;
- b. Use of CTW's photocopier, telephones, computers, and associated equipment in the course of undertaking official business;
- c. Secretarial services for Council business as required;

- d. Identification badge bearing Council's crest;
 - e. Payment of conference/seminar/workshop registration fees for attendance authorised by Council;
 - f. Arrangement and payment of travel in respect of Council commitments, and
 - g. Council approved clothing for use on Council business as determined by the General Manager.
3. Sustenance by way of food and drink will be provided to all councillors in conjunction with Council/Committee meetings and other functions/meetings as appropriate.
4. Expenses incurred whilst on approved travel outside the Council area will attract reimbursement according to the following guidelines:
- a. Meals – where meals are not provided, the total cost for meals should not exceed \$120.00 per day;
 - b. Accommodation – where travel involves an overnight stay away from home the acceptable maximum expenditure on accommodation is:
 - i. metropolitan areas - \$350.00 per night
 - ii. country areas - \$220.00 per nightprovided that all accommodation is approved prior to travelling, where practicable.
 - c. Other expenditure items:
 - i. taxis, trains and other transport – actual transport costs necessarily incurred will be met. Hire cars are only to be used if prior approval has been granted by the General Manager.
 - ii. Entertainment by way of food or drink – these costs would not normally be reimbursable.
 - iii. Other costs – all costs necessarily incurred will be met. Receipts or other evidence of actual payment should be produced when seeking reimbursement.

Council will where possible pay all expenses by purchase order (PO) or corporate credit card. Cash advances will not be provided for expenses but will be reimbursed based on actual expenses incurred. This includes all out of pocket expenses incurred whilst on council business. Any reimbursement claimed will be paid upon receipt of the supporting receipts and documentation.

The costs of accompanying persons travelling with a councillor on approved Council business will not be met by Council. The apportionment of those costs when costs are bundled together (eg: a single accommodation cost) will be on a basis that is considered fair and equitable by the general manager.

5. Special Requirements and Carer Expenses

Council will reimburse pay up to 50% of the net (gross fees less government subsidies and rebates) for child care required for children up to the age of 16 of a councillor where the carer is not a relative. Documentation in the form of receipts and invoices should be submitted to support the claim.

Where a councillor is caring for an adult, councillors will need to provide suitable evidence to the General Manager that reimbursement is applicable. This may take the form of advice from a medical practitioner.

Council encourages wide participation and interest in civic office and will seek to ensure that premises and facilities where business is conducted, have regard for sight and hearing impaired councillors and those with other disabilities.

6. Legal Assistance

6.1. Council may, if requested, indemnify or reimburse the reasonable legal expenses of:

- a councillor defending an action arising from the performance in good faith of a function under the Local Government Act;
- a councillor defending an action in defamation, provided the statements complained of were made in good faith in the course of exercising a function under the Act;
- a councillor for proceedings before an appropriate investigative or review body, provided the subject of the proceedings arises from the performance in good faith of a function under the Act and the matter has proceeded past any initial assessment phase to a formal investigation or review and the investigative or review body makes a finding substantially favourable to the councillor.

6.2. In the case of a conduct complaint made against a councillor, legal costs will only be made available where the matter has been referred by the General Manager to a conduct reviewer or conduct review panel to make formal enquiries into that matter in accordance with Council's Code of Conduct.

6.3. Legal expenses incurred in relation to proceedings arising out of the performance by a councillor of their functions under the Act are distinguished from expenses incurred in relation to proceedings arising merely from something that a councillor has done during their term in office. For example, expenses arising from an investigation as to whether a councillor acted corruptly would not be covered by this section.

6.4. Council will not meet the legal costs:

- of legal proceedings initiated by a councillor under any circumstances;

- of a councillor seeking advice in respect of possible defamation, or in seeking a non-litigious remedy for possible defamation, or
 - for legal proceedings that do not involve a councillor performing their role as a councillor.
- 6.5. Reimbursement of expenses for reasonable legal expenses must have Council approval by way of resolution of Council.
7. All claims for reimbursement of expenses incurred are to be submitted on the standard claim form. Claims must be made within 3 months from the time expenses are incurred.

12.4) LOCAL GOVERNMENT REMUNERATION TRIBUNAL (GR.LR.4)**Author:** General Manager**IP&R Link:** Strategic Priority 3: Regional leadership and collaboration**RECOMMENDATION:**

That Council endorse its policy of paying the maximum fees to the Chairperson and Members of Central Tablelands County Council, as determined by the Local Government Remuneration Tribunal for Category County Council – Water.

REPORT

Council has received advice that the Local Government Remuneration Tribunal has delivered its determination in regards to fees payable to councillors and mayors/chairpersons for 2022-2023, increasing fees by 2.0 per cent from 1 July 2022.

A full copy of the Tribunal's 2022 Annual Review will be tabled at the Council meeting for councillors information.

The following table lists the Tribunal's determinations for General Purpose and County Councils in 22/23:

Category		Councillor/Member Annual Fee (\$) effective 1 July 2022		Mayor/Chairperson Additional Fee* (\$) effective 1 July 2022	
		Minimum	Maximum	Minimum	Maximum
General Purpose Councils - Metropolitan	Principal CBD	28,750	42,170	175,930	231,500
	Major CBD	19,180	35,520	40,740	114,770
	Metropolitan Large	19,180	31,640	40,740	92,180
	Metropolitan Medium	14,380	26,840	30,550	71,300
	Metropolitan Small	9,560	21,100	20,370	46,010
General Purpose Councils - Non-Metropolitan	Major Regional City	19,180	33,330	40,740	103,840
	Major Strategic Area	19,180	33,330	40,740	103,840
	Regional Strategic Area	19,180	31,640	40,740	92,180
	Regional Centre	14,380	25,310	29,920	62,510
	Regional Rural	9,560	21,100	20,370	46,040
	Rural	9,560	12,650	10,180	27,600
County Councils	Water	1,900	10,550	4,080	17,330
	Other	1,900	6,300	4,080	11,510

Council's policy is to pay the maximum fees as determined by the Local Government Remuneration Tribunal.

A copy of the Office of Local Government's Circular 22-14 2022/23 Determination of the Local Government Remuneration Tribunal is attached for information.

This is Page No. 25 of the Agenda presented to the Ordinary Meeting of Central Tablelands County Council held at Canowindra on 22 June 2022

BUDGET IMPLICATIONS

Councillor fees are provided for in FY 22/23 Operational Plan.

POLICY IMPLICATIONS

Nil

ATTACHMENTS

- | | | |
|---|--|-----------|
| 1 | OLG Circular 22-14 2022/23 Determination of the Local Government Remuneration Tribunal | 1
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Office of
Local Government

Circular to Councils

Circular Details	Circular No 22-14/ 22 May 2022 / A817449
Previous Circular	21-06 – 2021/22 Determination of the Local Government Remuneration Tribunal
Who should read this	Councillors / General Managers
Contact	Council Governance Team / 02 4428 4100 / olg@olg.nsw.gov.au
Action required	Council to Implement

2022/23 Determination of the Local Government Remuneration Tribunal

What's new or changing

- The Local Government Remuneration Tribunal has determined an increase of 2% to mayoral and councillor fees for the 2022-23 financial year, with effect from 1 July 2022.
- The Tribunal is required to determine the remuneration categories of councils and mayoral offices at least once every three years under section 239 of the *Local Government Act 1993*. The Tribunal last undertook a significant review of the categories as part of its 2020 determination and will next review these categories in 2023.
- The Tribunal found that the allocation of councils into the current categories continued to be appropriate having regard to the 2020 review, the current category model and criteria and the evidence put forward in the submissions received.

What this will mean for your council

- Sections 248 and 249 of the Act require councils to fix and pay an annual fee to councillors and mayors from 1 July 2022 based on the Tribunal's determination for the 2022-23 financial year.

Key points

- The level of fees paid will depend on the category the council is in.
- A council cannot fix a fee higher than the maximum amount determined by the Tribunal.
- If a council does not fix a fee, the council must pay the minimum fee determined by the Tribunal.

Where to go for further information

- The Tribunal's report and determination is available [here](#).
- For further information please contact the Council Governance Team on 02 4428 4100 or by email at olg@olg.nsw.gov.au.

Melanie Hawyes
Deputy Secretary, Crown Lands and Local Government

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12.5) BELUBULA WATER SECURITY PROJECT UPDATE (WS.SP.4)

Author: General Manager
IP&R Link: Strategic Priority 1: Provide a high quality and reliable drinking water supply – Strategic Priority 3: Regional leadership and collaboration – 3.1: Regional collaboration and partnerships – 3.2.5: Expand capacity of Lake Rowlands (dependent on grant funding).

RECOMMENDATION:

That Council note the Belubula Water Security project update report.

REPORT***Background***

As reported previously, in June 2021, the Steering Committee that had oversight of both the Lake Rowlands to Carcoar Pipeline project (WaterNSW) and the Lake Rowlands Dam Augmentation project (CTW) agreed in principle that combining project delivery and progressing as a single project to investment decision was the best outcome for NSW and the Belubula water users.

Water Infrastructure NSW (WINSW) who are responsible for leading the development and delivery of key government water infrastructure projects and programs across the state, presented a project delivery proposal to the CTW Board on 16 July 2021. Subsequently, a Memorandum of Understanding (MOU) between CTW and WINSW was developed and executed, further solidifying the partnership approach.

To reflect the close alignment between both projects and the partnership between WINSW and CTW, the Lake Rowlands to Carcoar pipeline project and the Lake Rowlands Augmentation project was renamed the Belubula Water Security Project (BWSP).

The BWSP forms part of a broader Lachlan Regional Water Strategy (currently in draft) that will propose a wider portfolio of solutions to improve outcomes in the Lachlan Valley.

The Lachlan Valley region, of which the Belubula Valley is part, is an important place economically, socially, and environmentally. All users in the region face ongoing water security and reliability issues as climate volatility and drought impact the landscape. The Valley has been identified in the NSW State Infrastructure Strategy as a priority valley for improved water management and critical water infrastructure projects to mitigate water security challenges.

BWSP update

WINSW issued a Request for Information (RFI) for the Development Stage of the BWSP on 14 June 2022, with a closing date of 5 July 2022. The development stage is specific to design options relating to the augmentation of the Lake Rowlands Dam (Brownfields options) and new dam infrastructure (Greenfields options) in the Belubula Valley. The works include preliminary and concept design phases with potential to extend into detailed design.

Concept Design phase works

During the concept design phase, the development of the Lake Rowlands Augmentation (brownfield) and development of greenfield options (including new dam options downstream of Lake Rowlands) will be marketed as two separate contract packages. The goal of each

package is to achieve a level of technical maturity generally consistent with AACE Class 4 estimate (i.e. Feasibility).

WINSW will seek the proponent to engage with its water modelling experts to ensure the associated options are appropriately specified in the water model. Responsibility for the water modelling simulations and the interpretations of the results will remain with WINSW.

At this stage, WINSW has prioritised the development of the brownfield works package.

Brownfield works – Concept Phase

The brownfields work includes two primary options as follows:

1. Lake Rowlands dam augmentation (raising dam wall).
2. Upgrades to existing dam to meet dam safety requirements (do minimum approach).

Any alternative brownfield options to improve water security shall be identified and investigated in the concept phase.

Detailed concept phase works

Following an option(s) selection process at the completion of the concept phase, the selected option(s) will carry through to the detailed concept design phase. It is WINSW intent that the proponent responsible for the concept design will also be responsible for the detailed concept design included in the Final Business Case.

The Final Business Case will inform an investment decision in accordance with INSW Infrastructure Investor Assurance Framework (IIAF) Gate 2 Final Business Case.

Attached to this report for information is the BWSP RFI Part D Scope of Works. As WINSW is responsible for delivering the BSWP, further updates will continue to be provided as information is made available.

BUDGET IMPLICATIONS

Unspent Safe & Secure Water Program (SSWP) Grant Funds of \$60,318.42 has been refunded to DPIE Water.

The Belubula Water Security project Final Business Case is to be fully funded by the NSW and Australian Governments.

POLICY IMPLICATIONS

Nil

ATTACHMENTS

- 1 BWSP RFI - Part D Scope of Works 14-6-22 11 Pages



Background and objectives

Water Infrastructure NSW

Water Infrastructure NSW is responsible for leading the development and delivery of key government water infrastructure projects and programs across the state. We are committed to delivering world-class water infrastructure projects that will contribute to the safety, security and sustainability of our valued water resources for our communities and the environment.

Water Infrastructure NSW is delivering a wide range of projects to provide long-term security and ensure water remains a protected resource. This includes increasing storage capacity through new dams, exploring new and innovative technologies that help improve the efficient use of water and investing in infrastructure enabling water to be recycled and reused safely and effectively.

Water Infrastructure NSW is a division within the NSW Government Department of Planning and Environment (DPE).

Background

The Lachlan Valley region, of which the Belubula Valley is part, is an important place economically, socially, and environmentally. All users in the region face ongoing water security and reliability issues as climate volatility and drought impact the landscape. The valley has been identified in the NSW State Infrastructure Strategy as a priority valley for improved water management and critical water infrastructure projects to mitigate water security challenges.

The millennium drought (2001-2010) and the 2017-2020 drought impacted the amount of water available for all users in the Belubula Valley and resulted in severe water restrictions being imposed. The lack of rain saw critically low levels of water held in Carcoar Dam (historical lows reaching 12.2% or 4.4 GL in February 2020) and Lake Rowlands Dam (historical lows reaching 35% or 1.4 GL in February 2020). The drought impacted the liveability and economic outcomes of the region, particularly for industries that rely on general security water allocations. These industries went three successive years without any water allocations. Towns reliant on supply from the Belubula Valley were approaching 'Day Zero' scenarios.

Climate change assessments indicate that water stress will increase in the future. The issues seen in the Belubula confirm a broader trend of increasing severity and duration of drought. These studies show increases in ambient temperature are expected to cause increase in evaporative demand. With higher evaporative demand, there is a tendency for reduced catchment runoff into rivers. The median 2030 climate scenario suggests a 6% reduction in runoff.

The Belubula Water Security (BWS) Project forms part of a broader Lachlan Regional Water Strategy (currently in draft) that will propose a wider portfolio of solutions to improve outcomes in the Lachlan Valley.

Belubula Water Security Project

The Belubula Water Security project was formed in Q4 2021 and has been an evolution of the scope and assessment of two projects that to date were part of separate business cases:

1. Lake Rowlands to Carcoar Pipeline Project
2. Lake Rowlands Dam Augmentation Project

Lake Rowlands to Carcoar Pipeline Project

The Lake Rowlands to Carcoar Pipeline Project is a 10 km pipeline between Lake Rowlands, operated by Central Tablelands Water (CTW), and Carcoar Dam operated by WaterNSW. Although in close proximity to each other (~9km), these two water storages are served by different catchments and there is a mismatch between the water inflows and the storage capacity at each catchment. Lake Rowlands (4 GL) often spills due to insufficient storage capacity while Carcoar dam (35.8 GL) is rarely filled to capacity. By connecting the two storages with a pipeline, and through application of an optimised operating regime for the combined system, the capacity of both storages could be used to improve water security for users supplied by the combined system.



This option has achieved a level of design maturity near to what is required a final business case.

Lake Rowlands Dam Augmentation

Concurrent with WaterNSW investigation of the Lake Rowlands to Carcoar pipeline, CTW was undertaking a scoping study and final business case for two related project options intended to increase water security for users connected to the CTW town water distribution network. The options being investigated include:

- raising the height of the existing Lake Rowlands Dam wall (Lake Rowlands Augmentation project); and
- building a new dam 2.5 kilometres further downstream (Lake Rowlands greenfield option).

These options could increase water security within CTW assets and in isolation of WaterNSW Carcoar dam.

All of the Lake Rowlands options are at a very early stage of development. Additional technical study is needed before they could be put forward for final business case.

Combining the projects – Belubula Water Security Project

In September 2021 WINSW and CTW agreed a memorandum of understanding to integrate the Lake Rowlands to Carcoar Pipeline project and the Lake Rowlands Augmentation project to form a single project to be managed by WINSW – the Belubula Water Security Project.

Other options under the Belubula Water security project

Because both the Lake Rowlands to Carcoar Pipeline and Lake Roland's Augmentation Projects were developed by different organisations with different objectives, consolidation of the project under revised objectives has prompted the need to revisit the suite of options best suited to meet the revised objectives.

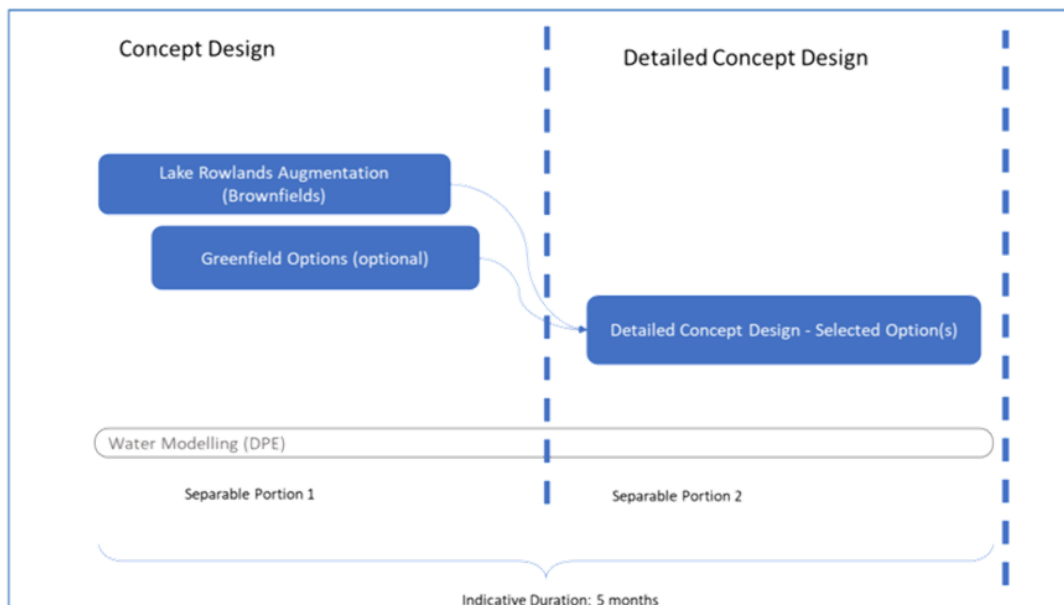
Additional options include:

- New storage at one or more locations
- New infrastructure solutions to improve operational efficiency and reduce transmissions losses (e.g. pipelines)

Description of Services

WINSW will seek to engage one or more proponents to assist with development of concept designs, detailed concept design of preferred option(s) and provide preliminary environmental studies and support reports needed to gain planning approvals.

The subject of this RFI is indicated by the shaded areas shown in the figure below.



Concept Design phase works

During the concept design phase, the development on Lake Rowlands Augmentation (brownfield) and development of greenfield options (including new dam options downstream of Lake Rowlands) will be marketed as two separate contract packages. The goal of each package is to achieve a level of technical maturity generally consistent with AACE Class 4 estimate.

WINSW will seek the proponent to engage with its water modelling experts to ensure the associated options are appropriately specified in the water model. Responsibility for the water modelling simulations and the interpretations of the results will remain with WINSW.

Detailed concept phase works

Following an option(s) selection process at the completion of the concept phase, the selected option(s) will carry through to the detailed concept design phase. It is WINSW intent that the proponent responsible for the concept design will also be responsible for the detailed concept design included in the Final Business Case.

The Final Business Case will inform an investment decision in accordance with INSW Infrastructure Investor Assurance Framework (IIAF) Gate 2 Final Business Case. The NSW Government Business Case Guidelines TPP 18-06 will be used as reference for the requirements of the technical services scope.

Scope & Requirements

The section considers in greater details the nature of services likely to be required by successful proponents. It is noted that the brownfield and greenfield options are presented separately and will be packaged as separate contract packages although proponents are encouraged to express interest for one or both scope of work.


Nature of works required
Brownfield works – Concept Phase

The brownfields work includes two primary options which need to be considered in the concept phase.

1. Lake Rowlands dam augmentation (raising dam wall).
2. Upgrades to existing dam to meet dam safety requirements (do minimum approach)

Any alternative brownfield options to improve water security shall be identified and investigated in the concept phase.

For the brownfield works the proponent will need to conduct a gap analysis on WINSW supplied technical reports and other available information including:

- Geotechnical site investigation and interpretative reports;
- Hydrology and hydraulics reports;
- Survey and bathymetric surveys;
- Seismicity assessments;
- Surveillance and inspection reports;
- Dam Safety Reviews;
- Materials Assessment;
- Condition of the concrete in the concrete structures, and
- Other engineering reports, as available.

Where the gap analysis identifies data/information deficiencies, undertake the appropriate investigations and or modelling works, including:

- Hydrology and Hydraulics
- Dam break failure modelling and report
- Materials/structural assessment
- Geotechnical and Geological
- Survey

Based on the information obtained in the gap analysis, conduct an initial options assessment outlining each option identified and recommending which option(s) to progress to concept design.

Develop a concept design report investigating the feasibility of the proposed brownfields options. The report shall detail each option and must also include, implications to CTW, further works required to develop detailed concept design, further works required to develop detailed design (for a Final Business Case) and develop engineering sketches for each option.

In addition, the proponent is requested to provide support/input to WINSW estimating and water modelling experts.

Deliverables

The following table summarise the deliverables for concept design. Technical deliverables to be prepared to a level of maturity consistent with AACE Class 4 Estimate.


Table 1. Brownfield deliverables: concept design

Deliverable	Versions
Gap analysis	1 st draft, final
Initial options assessment	1 st draft, final
Concept design report	1 st draft, 2 nd draft, final
Geotechnical investigation report	1 st draft, final
Hydrological and hydraulic modelling report	1 st draft, 2 nd draft, final
Engineering sketches	1 st draft, final
Bill of quantities	1 st draft, final

Brownfield works – Detailed Concept Phase

Based on the outcome of the concept phase, develop the preferred option to detailed concept design which includes, detailed concept design drawings (equivalent to 30% of final design), detailed concept design report and cost estimates (including a bill of quantities).

WINSW will prepare an RFP that specifies the exact nature of deliverables require in the detailed concept phase and offer the following list for the purpose of helping proponents understand the nature of expertise required. The detailed concept design should include the following deliverables developed to a level of maturity consistent with AACE Class 3:

- Hydraulics (defined)
- Topology and bathymetry (defined)
- Existing conditions (Defined)
- Geotechnical Investigation (Defined)
- Dam Design and Drawings (Prelim)
- Spillway Design and Drawings (Prelim)
- Erosion Control Plan and Drawings (Prelim)
- Temp facilities and staging design (Prelim)
- Demolition Plan and Drawings (Prelim)
- General Equipment Arrangement Drawings (Complete)
- Gates and Cranes Design and Drawings (Prelim)
- Utility design
- Equipment Datasheets (Complete)
- Instrument and Control Schedules (Prelim)
- Equipment Lists(Complete)
- Electrical One-line Drawings (Complete)
- Instrument List (Complete)
- Spare Parts Listings (Prelim)
- Intake Design and Drawings (Prelim)
- Instrumentation / Control System Discipline Drawings (Prelim)
- Fire Protection and Life Safety Drawings and Details (Prelim)
- Mitigation Measures (Aquatic Terrestrial Avian, Clearing, heritage etc.) (Prelim)



- Information Systems / Telecommunication Drawings (Prelim)
- Safety in design session workshop with relevant stakeholders
- Risk assessment session workshop with relevant stakeholders
- Bill of quantities/materials
- Logistics & constructability plans (Defined)

Deliverables

The following table summarise the deliverables for brownfield works detailed concept design.

Table 2. Brownfield deliverables: detailed concept design

Deliverable	Versions
Safety in design worksheet/document	Ongoing (Live document)
Risk Assessment worksheet/document	Ongoing (Live document)
Detailed concept design report	1 st draft, 2 nd draft, final
Detailed concept design drawings	1 st draft, 2 nd draft, final
Cost estimates consistent with AACE class 3 (including bill of quantities)	1 st draft, final

Brownfield Concept Environmental Investigations

WINSW is seeking an RFI to undertake concept environmental investigations, constraints analysis and the provision of environmental advice and support to assist in both the brownfields Concept Phase and Detailed Concept Phase as described above.

The purpose of this scope of works is to inform the brownfield detailed concept design ensuring environmental impacts are minimised where possible and optimal environmental outcome are achieved. The outcomes of the concept environmental investigations will also be used as part of a multi criteria analysis to determine the preferred project.

The following inclusions will be in scope:

- Gap analysis of existing information
- Preliminary desktop environmental investigations including aboriginal cultural heritage investigation, aquatic and terrestrial biodiversity investigations
- Targeted site inspections where needed
- Identification of key risk areas or constraints associated with brownfield options
- Identification of alterations to minimise potential adverse environmental or cultural heritage impacts of the proposed options
- Recommendations based on the outcomes of environmental investigations
- Potential planning pathway
- Provision of all spatial, photographic and other data captured during the fieldwork
- Provision of constraints mapping.

The deliverables of this engagement will also be used to compare options including both greenfield and brownfield as well as determine the appropriate planning pathways and to inform the preparation of the environmental impact assessment and scoping report of the preferred option.



WINSW will work with the consultant to develop a report template, however, at a minimum reporting should include:

- Option overview
- Existing environmental context
- Environmental constraints section including:
 - Preliminary environmental impacts
 - Key risks and constraints including:
 - Preliminary Aboriginal cultural heritage options assessment
 - Preliminary biodiversity options assessment
 - Opportunities to modify design to avoid or minimise impacts
 - Biodiversity offset requirements
- Planning pathways and legislative requirements overview

Allowance should be made for two rounds of review and the provision of a first draft, second draft and final report. All documents sent electronically to the Department are to be provided in MS Word so it can be edited and pdf format.

Planning Approvals or Exempt Development Checklist for Geotechnical Works

Prepare exempt development checklist or minor works review of environmental factors as required for the proposed geotechnical assessments prior to the commencement of works. WINSW will provide templates.

Address one rounds of consolidated comments provided on the draft exempt development checklist by WINSW and provide a finalised report.

Construction Environmental Management Plan for Geotechnical Works

Prepare a construction environmental management plan for the proposed geotechnical assessments prior to the commencement of works.

Address one rounds of consolidated comments provided on the draft exempt development checklist by WINSW and provide a finalised report.

Planning Approvals

In responding to this RFI, consultants are required to demonstrate their ability to progress the preferred option through the relevant planning pathway.

Deliverables

The following table summarise the proposed deliverables for the concept environmental investigations.

Table 3. Brownfield Concept Environmental Investigations

Deliverable	Versions
Provision of environmental advice	Ongoing
Concept environmental investigations report	1 st draft, 2 nd draft, final
Planning Approvals or Exempt Development Checklist for Geotechnical Works	1 st draft, 2 nd draft, final
CEMP for geotechnical works	1 st draft, 2 nd draft, final

Greenfield works – Concept Phase



The objective of the greenfield works is to identify and conduct a feasibility assessment on new infrastructure options aimed at improving water security to users of the existing Lake Rowlands Dam.

Potential options for the greenfields works include, but not limited to;

- A new dam located on Coombing Creek downstream of Lake Rowlands (size and location of the dam shall be varied to provide multiple new dam options). Note, there is a large ravine, approximately 100 m in elevation downstream of Lake Rowlands.
- A new dam located in the Belubula river downstream of Carcoar dam (size and location of the dam shall be varied to provide multiple new dam options).
- any alternative new infrastructure solutions offering improved water security town water and or rural water users.

Prior to the options assessment, the proponent shall conduct a gap analysis on WINSW supplied technical reports and other available information including:

- Geotechnical site investigation and interpretative reports;
- Hydrology and hydraulics reports;
- Survey and bathymetric surveys.

Where the gap analysis identifies data/information deficiencies, undertake the appropriate investigations and or modelling works.

Based on the information obtained in the gap analysis, conduct an initial options assessment outlining each option identified and recommending which option(s) to progress to concept design.

For the option(s) selected to progress to the concept design, develop a concept design report investigating the feasibility of the proposed greenfield options. The report shall detail each option and must also include, any significant risks, further works required to develop detailed concept design, further works required to develop detailed design (for a Final Business Case) and develop engineering sketches for each option.

In addition, provide support/input to WINSW estimating and water modelling experts.

The greenfield option(s) are to be considered independently of any protentional works under the brownfields works. However, if the greenfields options have any implications on the existing Lake Rowlands Dam (or potential brownfields options) these shall be identified. This may include, but not limited to: dam safety, re-classification of Lake Rowlands am, dam break failure modelling, inundation of Lake Rowlands components.

Deliverables

The following table summarise the deliverables for concept design. Technical deliverables to be prepared to a level of maturity consistent with AACE Class 4 Estimate.

Table 4. Greenfield deliverables: concept design

Deliverable	Versions
Gap analysis	1 st draft, final
Options assessment	1 st draft, final
Concept design report	1 st draft, 2 nd draft, final
Geotechnical investigation report	1 st draft, 2 nd draft, final
Hydrological and hydraulic model report	1 st draft, 2 nd draft, final
Engineering sketches	1 st draft, final
Bill of quantities	1 st draft, final


Greenfield works – Detailed Concept Phase

Based on the outcome of the concept phase, develop the preferred option to detailed concept design which includes, detailed concept design drawings (equivalent to 30% of final design), detailed concept design report and cost estimates (including a bill of quantities).

WINSW will prepare an RFP that specifies the exact nature of deliverables require in the detailed concept phase and offer the following list for the purpose of helping proponents understand the nature of expertise required. The detailed concept design should include the following deliverables developed to a level of maturity consistent with AACE class 3:

- Hydraulic study (Defined)
 - Topology and bathymetry (Defined)
 - Existing conditions (Defined)
 - Geotechnical Investigation (Defined)
 - Dam Design and Drawings (Prelim)
 - Spillway Design and Drawings (Prelim)
 - Erosion Control Plan and Drawings (Prelim)
 - Temp facilities and staging design (Prelim)
 - Demolition Plan and Drawings (Prelim)
 - General Equipment Arrangement Drawings (Complete)
 - Gates and Cranes Design and Drawings (Prelim)
 - Utility design
 - Equipment Datasheets (Complete)
 - Instrument and Control Schedules (Prelim)
 - Equipment Lists(Complete)
 - Electrical One-line Drawings (Complete)
 - Instrument List (Complete)
 - Spare Parts Listings (Prelim)
 - Intake Design and Drawings (Prelim)
 - Instrumentation / Control System Discipline Drawings (Prelim)
 - Fire Protection and Life Safety Drawings and Details (Prelim)
 - Mitigation Measures (Aquatic Terrestrial Avian, Clearing, heritage etc.) (Prelim)
 - Information Systems / Telecommunication Drawings (Prelim)
 - Safety in design session workshop with relevant stakeholders
 - Risk assessment session workshop with relevant stakeholders
 - Bill of quantities/materials
 - Logistics & constructability plans (Defined)
- For pipelines, if any, deliverables above as appropriate
- Route alignment sheets and survey (Complete)
 - Geometric layout including alignment profile and cross section (Preliminary)



- Crossing and boring designs and drawings (Preliminary)
- Land acquisition requirements (Preliminary)

Deliverables

The following table summarise the deliverables for greenfield works detailed concept design.

Table 5. Greenfield deliverables: detailed concept design

Deliverable	Versions
Safety in Design worksheet/document	Ongoing (Live document)
Risk Assessment worksheet/document	Ongoing (Live document)
Detailed concept Design Report, including <ul style="list-style-type: none"> - Engineering design - Constructability plan - Land acquisition requirements 	1 st draft, 2 nd draft, final
Detailed concept Design Drawings	1 st draft, 2 nd draft, final
Cost Estimates consistent with AACE Class 3 (including bill of quantities)	1 st draft, final

Greenfield Concept Environmental Investigations

WINSW is seeking an RFI to undertake concept environmental investigations, constraints analysis and the provision of environmental advice and support to assist in both the greenfield Concept Phase and Detailed Concept Phase as described above.

The purpose of this scope of works is to inform the greenfield detailed concept design ensuring environmental impacts are minimised where possible and optimal environmental outcome are achieved. The outcomes of the concept environmental investigations will also be used as part of a multi criteria analysis to determine the preferred project.

The following inclusions will be in scope:

- Gap analysis of existing information
- Preliminary desktop environmental investigations including aboriginal cultural heritage investigation, aquatic and terrestrial biodiversity investigations
- Targeted site inspections where needed
- Identification of key risk areas or constraints associated with greenfield options
- Identification of alterations to minimise potential adverse environmental or cultural heritage impacts of the proposed options
- Recommendations based on the outcomes of environmental investigations
- Potential planning pathway
- Provision of all spatial, photographic and other data captured during the fieldwork
- Provision of constraints mapping.

The deliverables of this engagement will also be used to compare options including both greenfield and brownfield as well as determine the appropriate planning pathways and to inform the preparation of the environmental impact assessment and scoping report of the preferred option.



WINSW will work with the consultant to develop a report template, however, at a minimum reporting should include:

- Option overview
- Existing environmental context
- Environmental constraints section including:
 - Preliminary environmental impacts
 - Key risks and constraints including but not limited to:
 - Preliminary Aboriginal cultural heritage
 - Preliminary biodiversity
 - Hydrology
 - Opportunities to modify design to avoid or minimise impacts
 - Biodiversity offset requirements
- Planning pathways and legislative requirements overview including consideration for potential additional permitting requirements.

Allowance should be made for two rounds of review and the provision of a first draft, second draft and final report. All documents sent electronically to the department are to be provided in MS Word so it can be edited and pdf format.

Planning Approvals or Exempt Development Checklist for Geotechnical Works

Prepare exempt development checklist or minor works review of environmental factors as required for the proposed geotechnical assessments prior to the commencement of works. WINSW will provide templates.

Address one rounds of consolidated comments provided on the draft exempt development checklist by WINSW and provide a finalised report.

Construction Environmental Management Plan for Geotechnical Works

Prepare a construction environmental management plan for the proposed geotechnical assessments prior to the commencement of works.

Address one rounds of consolidated comments provided on the draft exempt development checklist by WINSW and provide a finalised report.

Planning Approvals

In responding to this RFI, consultants are required to demonstrate their ability to progress the preferred option through the relevant planning pathway.

Deliverables

The following table summarise the proposed deliverables for the concept environmental investigations.

Table 6. Greenfield Concept Environmental Investigations

Deliverable	Versions
Provision of environmental advice	Ongoing
Concept environmental investigations report	1 st draft, 2 nd draft, final
Planning Approvals or Exempt Development Checklist for Geotechnical Works	1 st draft, 2 nd draft, final
CEMP for geotechnical works	1 st draft, 2 nd draft, final

12.6) LEVELS OF SERVICE REPORT (CU.ST.2)

Author: General Manager
IP&R Link: Strategic Priority 1: Provide a high quality and reliable drinking water supply – 1.1: Service provision through fit for purpose infrastructure – 1.2: Compliance and Regulation – 1.5: Efficient use of water – 2.1: Customer Service – 2.3: Improving Performance and managing risk

RECOMMENDATION:

That Council note the Levels of Service report.

REPORT

As prescribed in the recent review and update of Central Tablelands Water's (CTW) Integrated Planning and Reporting (IP&R) Plans, CTW has defined levels of service (LOS). The LOS detail the standards that the water supply systems will deliver to customers. CTW's LOS objectives are summarised below:

- To provide water supply services to customers in accordance with acceptable LOS;
- To build on reputation as a reliable, sustainable and regional water utility service provider;
- To offer a comprehensive service in the location, treatment, storage, movement and delivery of water and associated services, and
- Meet the 2011 Australian Drinking Water Guidelines.

To address the LOS, CTW applies design criteria to assets. Design criteria for flows and pressure are an engineering consideration and will vary with circumstances, provided that the levels of service are upheld. The design criteria for flows and pressure are as follows:

- Design criteria for flows: Based on adopted strategies, historical use, demographics, end use requirements and demand management. However, for domestic non-rural customers, CTW targets to provide 15 Litres per minute.
- Design criteria for water supply system pressure: Hydraulic design will aim to achieve a minimum of 20 metre head at the tapping point under peak summer demand conditions.

CTW's current LOS are listed in the table below:

Current Levels of Service	
Availability of Supply	
Normal quantity available	Domestic peak day: 1600 L/tenement/day Domestic annual: 180 kL/tenement/year Total annual average consumption: 1,575 ML/year Total peak daily consumption (potable): 10 ML/day
Fire fighting	100% of urban reticulation area served
Pressure (urban areas)	20m head (minimum when delivering 15 L/min) 60m head (maximum static pressure)
Flow rates	Domestic (non-rural consumers): 15 L/minute Rural consumers: 6.3 L/minute

Consumption restrictions in droughts	Refer to CTW Drought Management Plan
Supply Interruptions	
Planned interruptions (95% of time)	Notice given to domestic and commercial customers: 48 hours Notice given to major industrial and institutional customers: 7 days
Unplanned interruptions (95% of time – urban areas)	Maximum duration of interruption: 12 hours
Response Time to Customer complaints – defined as time to have staff on site to rectify problem	
Supply failure (99% of time)	Priority 1 - Defined as failure to maintain continuity or quality of supply to a large number of customers or to critical users at a critical time during working hours: 1 hour outside working hours: 2 hours
(95% of time)	Priority 2 - Defined as failure to maintain continuity or quality of supply to a small number of customers or to a critical user at a non-critical time during working hours: 3 hours outside working hours: 4 hours
(95% of time)	Priority 3 - Defined as failure to maintain continuity or quality of supply to a single customers: 1 working day
(95% of time)	Priority 4 - Defined as a minor problem or complaint, which can be dealt with at a time convenient to the customer and CTW: 1 week
Customer complaints	Personal, oral or written: 5 working days for 95% of complaints
Water Quality – should meet Australian Drinking Water Guidelines (ADWG) 2011	
Microbial quality	<ul style="list-style-type: none"> Total coliforms: 98% compliance with ADWG Thermo-tolerant coliforms: 98% compliance with ADWG <p>Sampling frequency: 52 samples / week</p>
Physical and chemical characteristics at WTP's	<ul style="list-style-type: none"> pH: 7.5 Turbidity: <1.0 NTU Fluoride: 1 mg/L Free chlorine (in reticulation): 0.2 mg/L

It is to be noted that LOS are the targets which CTW aims to meet, they are not intended as a formal customer contract.

CTW's LOS continue to be reviewed by Senior Management and Management on a regular basis to ensure ongoing compliance with applicable industry guidelines.

BUDGET IMPLICATIONS

Nil

POLICY IMPLICATIONS

Nil

ATTACHMENTS

Nil

12.7) COUNCIL RESOLUTIONS UPDATE REPORT (GO.CO.1)

Author: General Manager
IP&R Link: Strategic Priority 2: An efficient, sustainable and customer focused organisation – 2.5.5: Good governance in place with timely management of council meetings.

RECOMMENDATION:

That Council note the Council Resolutions Update Report to May 2022.

REPORT

The General Manager is responsible for ensuring that Council's resolutions, policies and decisions are implemented in a timely and efficient manner, progress monitored and variances reported.

The General Manager provides the management oversight in relation to all information progressing from appropriate staff to Council for consideration via the Business Paper.

After a Council meeting, each resolution is allocated to the General Manager or responsible officer to action in accordance with the Council resolution. The Senior Management Team (SMT) then discuss the progress of these resolutions at fortnightly SMT meetings.

Council have requested a Resolutions Update Report at each Council meeting.

The Council Resolutions Update Report includes Council Resolutions to May 2022.

BUDGET IMPLICATIONS

Nil

POLICY IMPLICATIONS

Nil

ATTACHMENTS

- 1 Council Resolutions Update to May 2022. 3 Pages

COUNCIL RESOLUTIONS UPDATE

Council Resolutions Update – Meeting held 22 June 2022					
Resolution Ref.	Date of Meeting	Subject	Responsible Officer	Decision	Action Taken/Status
20/015	12/2/20	Water Security – Regional approach to support neighbouring councils	GM	<ol style="list-style-type: none"> 1. Consider the issue of adopting a collaborative approach to the supply of water between networks connected to the CTW supply system at the upcoming drought management workshop in March 2020, and 2. As a matter of urgency, authorize the general manager to negotiate an agreement between CTW, Orange City Council and Cabonne Council to transfer water to Molong for emergency purposes, and report back to Council on the outcome of the agreement. 	28/4/22 – DOTS and OCC Water Strategic Manager have been progressing the Annexures to the draft WSA (i.e. Form of Request, SOPs, Comms Plan) prior to a follow up meeting being arranged in the near future.
20/097	14/2/20	Centroc Water Grid Pipeline Project	GM/DOTS	That Council endorse Central Tablelands Water's involvement in partnering with Parkes and Forbes Shire Councils in strengthening regional water security through the Centroc Water Grid Pipeline Project, subject to approval of the business case and approval of CTW's financial contribution.	15/6/22 - DOTS continues to represent CTW by attending monthly Centroc Water Grid update meetings. Please refer to DOTS Water Security – Drought Update Reports.

21/092	17/11/21	Sub-Regional Town Water Supply Strategy	GM/DOTS	<p>That Council:</p> <ol style="list-style-type: none"> 1. Note the report on the project “Development of the Safe and Secure Water Program – Cabonne, Orange and Central Tablelands Water Regional Town Water Strategy (SSWP270)”; 2. Endorse the Memorandum of Understanding - Development of the Safe and Secure Water Program – Cabonne, Orange and Central Tablelands Water Regional Town Water Strategy, and 3. Authorise the Chairman and General Manager to execute all necessary documentation to enter into the Memorandum of Understanding - Development of the Safe and Secure Water Program – Cabonne, Orange and Central Tablelands Water Regional Town Water Strategy. 	9/6/22 – Inaugural SRTWSS working party meeting held. The Chair of the Working Party is arranging the joint signing of the MOU by all 3 councils.
22/022	13/4/22	Draft Code of Meeting Practice Policy	GM	<p>That Council:</p> <ol style="list-style-type: none"> 1. Note the report, and 2. Endorse the draft Code of Meeting Practice Policy, which includes the new provisions outlined in the <i>Model Code of Meeting Practice for Local Government in NSW 2021</i>, to be placed on public display for a period of 28 days. 	<p>15/6/22 - The draft Code of Meeting Practice Policy has been on public exhibition for the required period of 28 days with no submissions received. Council can now proceed to adopt the Code of Meeting Practice Policy.</p> <p>Action completed.</p>
22/025	13/4/22	Councillors superannuation payments from 1 July 2022	DFCS	1. That Council apply superannuation payments to Councillors and	15/6/22 – Mechanisms in place to ensure superannuation payments apply

				<p>Chairperson's Fees from 1 July 2022.</p> <p>2. That superannuation payment apply in addition to fees adopted by Council as payable to Councillors and the Chairperson.</p> <p>3. That the superannuation rate be as prescribed by the Superannuation Guarantee Act 1992 from time to time.</p>	<p>in addition to Councillors and Chairperson's fees from 1 July 2022.</p> <p>Action completed.</p>
22/036	19/5/22	Henry Lawson Festival Grenfell	GM	That Council contribute \$250.00 towards the 2022 Henry Lawson Festival at Grenfell.	<p>15/6/22 – Contribution of \$250 made to the Henry Lawson Festival Committee for the 2022 Festival.</p> <p>Action completed.</p>
22/037	19/5/22	Integrated Planning & Reporting Requirements	GM	<p>That Council endorses the following draft Integrated Planning & Reporting Plans and place the plans on public exhibition for a period of 28 days:</p> <p>a) Business Activity Strategic Plan 2022-2032</p> <p>b) Delivery Program 2022-2026</p> <p>c) Operational Plan 2022-2023</p> <p>d) Workforce Management Plan 2022-2026</p> <p>e) Asset Management Plan 2022-2026</p> <p>f) Long Term Financial Plan 2022-2032</p>	<p>15/6/22 - The draft IP&R Plans have been on public exhibition for the required period of 28 days with no submissions received. Council can now proceed to adopt the Plans.</p> <p>Action completed.</p>

12.8) FINANCIAL MATTERS - INVESTMENT REPORT AS AT 31 MAY, 2022
(FM.BA.1)

Author: Director Finance & Corporate Services
IP&R Link: Strategic Priority 2: An efficient, sustainable and customer focused organisation – 2.3.1: Organisational performance is measured and reported through KPI's and used for decision making.

RECOMMENDATION:

That the information in relation to Council's Investments at 31 May, 2022 be noted.

REPORT**Cash and Investments**

The investment summary below represents Council's total investments as at 31 May, 2022 in accordance with clause 212 of the Local Government (General) Regulation 2005 and Section 625 of the Local Government Act 1993.

The above investments have been made in accordance with the Local Government Act 1993, the Local Government General Regulation 2005 and Council's Investment Policy.



Peter McFarlane
Responsible Accounting Officer

Investment Commentary

The recent decision of the Reserve Bank of Australia (RBA) to raise the cash rate by 0.5% (sometimes expressed as 50 basis points) to 0.85% has led to further increases in term deposit rates across most terms.

The RBA has taken this action to tighten the money supply as a result of a large increase in inflation. Whilst the most recent annual inflation rate for the March quarter was 5.1% many commentators believe that the rate is now exceeding 6.0%.

It is notable that a number of inputs for Council including such things as pipes, valves and chemicals are now increasing at rates in excess of 10%. Whilst this is driven in part by a tightening supply, there are considerable cost pressures impacting upon the Council operations.

Freight costs driven higher by increased fuel charges are also a significant contributor to price changes at the moment. There appears to be no relief to continuing high fuel prices and with the 22 cents per litre temporary excise cut expected to be reversed in September, 2022 the prices could in fact go much higher.

The RBA has indicated that it plans to continue to raise the cash rate and subsequent months until the cash rate is in a neutral position. A neutral cash rate occurs when it is not considered to be stimulatory or restrictive in respect of its impact on economic activity. Whilst this neutral level can vary with each interest rate cycle it is believed to be around 2 to 2.5%.

Therefore as the cash rate continues to rise, it is likely that term deposit rates on offer will continue to rise and provide improved returns on Council's portfolio.

It is notable that the RBA cash rate rises have not flowed as quickly to savers (particularly private investors) as have increases in borrowing rates.

BUDGET IMPLICATIONS

The rising level of interest rates on Council's term deposits will result in Council's estimated interest returns exceeding budget in 2021/22.

POLICY IMPLICATIONS

Council's investment portfolio continues to operate with a combination of term deposits with a 12 month term supported by a call facility providing the flexibility to fund unexpected liquidity requirements.

ATTACHMENTS

- 1 Bank and Investments at 31st May, 2022

		Credit Rating	Term (Days)	Rate	Maturity Date	% of Portfolio
Short Term Deposits	\$ 7,800,000.00					93.55%
Commonwealth Bank of Australia	600,000	AA-	364	0.41%	17/06/22	7.20%
Commonwealth Bank of Australia	500,000	AA-	365	0.76%	7/02/23	6.00%
AMP - Curve Securities	500,000	BBB	365	1.00%	28/02/23	6.00%
Unity Bank/Reliance Credit Union	500,000	Unrated	365	0.50%	4/08/22	6.00%
Macquarie Bank - Curve Securities	400,000	A+	367	0.40%	17/10/22	4.80%
ME Bank - Curve Securites	500,000	BBB+	367	1.35%	27/03/23	6.00%
AMP - Curve Securities	500,000	BBB	365	1.00%	3/11/22	6.00%
Bank of QLD - Curve Securities	500,000	BBB+	367	0.67%	31/10/22	6.00%
Macquarie Bank - Curve Securities	600,000	A+	320	0.40%	22/08/22	7.20%
MyState - Curve Securites	500,000	BBB	365	1.10%	15/03/23	6.00%
ME Bank - Curve Securites	500,000	BBB+	365	1.05%	10/03/23	6.00%
Macquarie Bank - Curve Securities	200,000	A+	0	0.60%	At Call	2.40%
ME Bank - Curve Securities	500,000	BBB+	365	2.90%	5/05/23	6.00%
Commonwealth Bank of Australia	500,000	AA-	365	0.33%	15/09/22	6.00%
AMP - Curve Securities	500,000	BBB	365	0.80%	23/09/22	6.00%
Macquarie Bank - Curve Securities	500,000	A+	365	1.60%	28/03/23	6.00%
At Call Deposits	\$ 537,778.63					6.45%
Commonwealth Bank - General Account	\$ 532,579.45	AA-	At Call	0.20%	N/A	
Commonwealth Bank - BOS Account	\$ 5,172.36	AA-	At Call	0.35%	N/A	
Reliance Credit Union - Cheque Account	\$ 26.82	Unrated	At Call	0.00%	N/A	
Total Value of Investment Funds	\$ 8,337,778.63					100%

Average Rate on Term Deposits

90 Day BBSW for March 2022	1.1766%
Average Rate on Term Deposits	0.9294%
Margin over 90 day BBSW	-0.2472%

Average Term - Short Term Deposits (days) 340

Long Term Credit Rating

	Amount \$	%
AA-	\$ 2,137,751.81	25.63%
A+	\$ 1,700,000.00	20.39%
BBB+	\$ 2,000,000.00	23.99%
BBB	\$ 2,000,000.00	23.99%
Unrated	\$ 500,026.82	6.00%
Total	\$ 8,337,778.63	100.00%

BANK RECONCILIATION

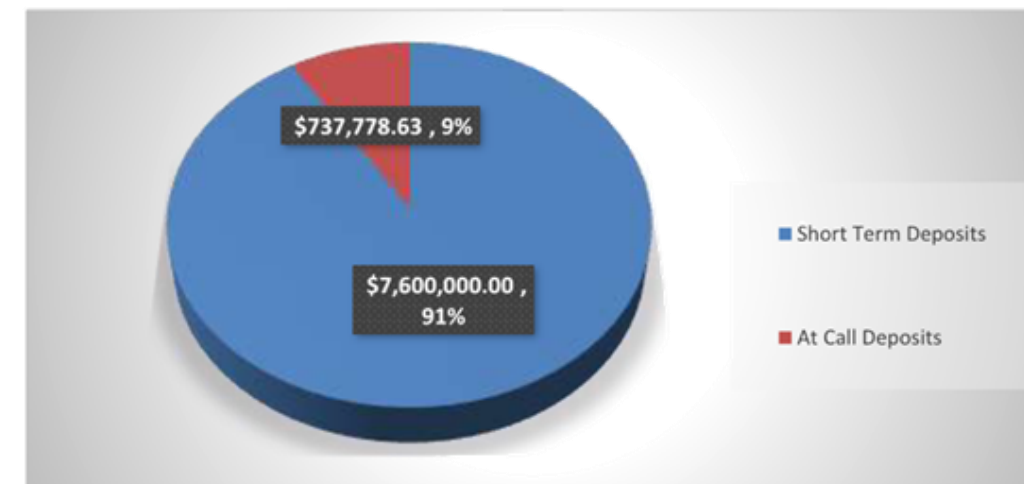
Balance as per Bank Statement	\$	528,647.95
Add: Receipting 31/05/2022 deposited 01/06/2022	\$	496.50
Add: Eftpos transactions 31/05/2022 banked 01/06/2022	\$	1,461.46
Add: Visa card purchases presented June 2022	\$	1,973.54

Balance as per Cash Book \$ 532,579.45

GENERAL FUND

(a) Cash Book Balance	\$	537,778.63
(b) Bank Balance	\$	537,778.63

Short Term Deposits	\$ 7,600,000.00
At Call Deposits	\$ 737,778.63



12.9) QUARTERLY BUDGET REVIEW STATEMENT - 31ST MARCH 2022 (FM.FR.1)

Author: Director Finance & Corporate Services
IP&R Link: – 2.2: Financial management – 2.2.2: Complete and report on Quarterly Budget Reviews.

RECOMMENDATION:

That Council adopt the budget review statement for the quarter ended 31st March 2022 and the variations therein be voted.

REPORT

The Quarterly Budget Review Statement (QBRs) for the period ended 31st March, 2022 is submitted for consideration by Council in accordance with clause 203 of the Local Government (General) Regulation 2005.

It is estimated that the forecast operating surplus after capital amounts at 31 March, 2022 is \$3,826,984 compared to an estimated surplus of \$3,755,135 at the 31 December, 2022. This is an improvement of \$71,849 over the quarter.

The net operating result before capital is estimated at the 31 March, 2022 to be a deficit of \$973,981. This compares to an estimated deficit of \$1,003,084 at 31 December, 2021. This is an improvement of \$29,103 over the quarter.

With the June, 2022 quarterly billing being completed, a further reduction of estimated water sales of \$200,000 has been made following a continuation of wet and cool conditions. This was offset by some additional revenue from annual charges, increased profit on sale of assets and additional interest revenue.

There was also an estimated savings in consultancy costs of \$120,000 mainly attributable the Integrated Water Cycle Management Plan (IWCM) being deferred until 2023/24 after the Sub-Regional Town Water Strategy outcomes are known (expected to be in June 2023).

As the estimated operating surplus before capital has improved marginally, this is a sound result in what are difficult trading conditions and increasing inflation starting to impact costs.

More details of the variations are explained in the attached March 2022 QBRs document.

BUDGET IMPLICATIONS

The revised budget result indicates that the overall financial position of the Council is sound, however, it is clear that the continuing difficult trading conditions and increasing costs will result in a substantial operating loss before capital in 21/22.

21/22 has now been the second consecutive financial year to be adversely impacted by extended cool wet conditions. In an industry where water sales are the only significant source of revenue, some volatility in revenue is expected, however, the length of the current wet climatic conditions has been unexpected.

POLICY IMPLICATIONS

Nil

ATTACHMENTS

- 1 QBRs - March Qtr 2022 9 Pages

Central Tablelands Water

Quarterly Budget Review Statement
for the period 01/01/22 to 31/03/22

Table of contents	page
1. Responsible Accounting Officer's Statement	2
2. Budget Review Statement Summary	3
3. Income & Expenses Budget Review Statement	4
- Income Statement variations	5
4. Capital Budget Review Statement	6
- Capital Budget Variations	7
6 Leakage Allowances Granted	8
7 Contracts Budget Review Statement	9

Central Tablelands Water

Quarterly Budget Review Statement
for the period 01/01/22 to 31/03/22

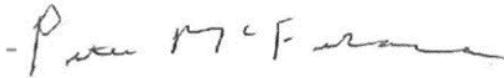
Report by responsible accounting officer

The following statement is made in accordance with Clause 203(2) of the Local Government (General) Regulations 2005:

31 March 2022

It is my opinion that the Quarterly Budget Review Statement for Central Tablelands Water for the quarter ended 31/03/22 indicates that Council's projected financial position at 30/6/22 will be satisfactory at year end, having regard to the projected estimates of income and expenditure and the original budgeted income and expenditure.

Signed:



date: 31/05/2022

I

Responsible accounting officer

Budget Review Statement

as at 31 March 2022

Council's Revised Income and Expenditure for the year 2021/2022

Original Budget		Revised Budget	
1,638,053	<u>Operating Revenue</u>	1,655,930	
5,776,644	Availability Charges	4,516,644	
51,750	Water Charges	66,750	
69,555	Interest	84,555	
2,493,596	Other Revenues	4,800,965	
100,000	Capital Grants and Contributions	34,331	
52,000	Operational Grants and Contributions	110,444	
<u>10,181,598</u>	Gains on Disposal of Assets		
	Total Operating Revenue		11,269,619
	<u>Operating Expenses</u>		
2,460,793	Employee Costs	2,410,793	
13,612	Borrowing Costs	10,830	
1,266,000	Materials & Contracts	1,326,000	
8,000	Legal Costs	8,000	
348,500	Consultants	197,162	
960,050	Other Expenses	951,850	
0	Loss on Sale of Assets	0	
2,538,000	Depreciation and Impairment	2,538,000	
<u>7,594,955</u>	Total Operating Expenses		<u>7,442,635</u>
2,586,643	Operating Result for Period After Capital	Surplus/(Deficit)	3,826,984
93,047	Operating Result for Period Before Capital	Surplus/(Deficit)	(973,981)
	<u>Less Non-Operating Expenditure</u>		
5,310,339	Acquisitions of Assets	7,197,721	
413,209	Repayment of Loans	413,209	
300,000	Transfer to Reserves - Plant	300,000	
850,000	Transfer to Reserves - Renewal Reserves	850,000	
150,000	Water Pricing Increase - Tfr to Infrastructure	150,000	
80,000	Transfer to Reserves - ELE	80,000	
50,000	Transfer to Reserves - Consultancy	50,000	
1,019,434	Transfer Estimated Budget Surplus/(Deficit)	525,113	
<u>8,172,982</u>			<u>9,566,043</u>
(5,586,339)			(5,739,059)
	<u>Add Non-Operating Revenue</u>		
207,499	Book Value of Assets Sold	207,499	
-	Loan Funds Raised	-	
248,681	Transfer from Reserves - Plant	248,681	
-	Transfer from Development Assistance Restriction	6,211	
-	Transfer from Consultancy Reserve	-	
30,000	Transfer from Reserves - ELE	30,000	
2,562,159	Transfer from Reserves - Infrastructure	2,642,125	
0	Transfer from External Restriction	66,543	
<u>3,048,339</u>			<u>3,201,059</u>
(2,538,000)			(2,538,000)
	<u>Add Expenses not Involving Flow of Funds</u>		
2,538,000	Depreciation		<u>2,538,000</u>
<u>\$ -</u>	Budget (Cash) Result Surplus/(Deficit)		<u>\$ -</u>

Central Tablelands Water

Quarterly Budget Review Statement
for the period 01/01/22 to 31/03/22

Income & expenses budget review statement

Budget review for the quarter ended 31 March 2022

Income & expenses - Council Consolidated

(\$000's)	Original budget 2021/22	Approved Changes					Revised budget 2021/22	Variations for this Mar Qtr	Notes	Projected year end result	Actual YTD figures
		Carry forwards	Other than by QBRS	Sep QBR	Dec QBR	Mar QBR					
Income											
Rates and annual charges	1,638,053			-	-		1,638,053	17,877	2 (a)	1,655,930	1,234,876
User charges and fees	5,776,644			(10,000)	(1,050,000)		4,716,644	(200,000)	2 (b)	4,516,644	3,126,330
Other revenues	69,555			-	-		69,555	15,000	2 (c)	84,555	66,482
Grants and contributions - operating	100,000	34,331		-	(100,000)		34,331	-		34,331	-
Grants and contributions - capital	2,493,596	2,457,126		(660,318)	467,815		4,758,219	42,746	2 (d)	4,800,965	1,052,011
Interest and investment revenue	51,750			-	-		51,750	15,000	2 (e)	66,750	41,804
Net gain from disposal of assets	52,000			-	-		52,000	58,444	2 (f)	110,444	101,387
Total income from continuing operations	10,181,598	2,491,457	-	(670,318)	(682,185)	-	11,320,552	(50,933)		11,269,619	5,622,890
Expenses											
Employee benefits and on-costs	2,460,793			10,000	(26,000)		2,444,793	(34,000)	2 (g)	2,410,793	1,668,141
Borrowing costs	13,612			-	-		13,612	(2,782)	2 (h)	10,830	10,830
Materials and services	1,266,000			-	26,000		1,292,000	34,000	2 (i)	1,326,000	716,583
Depreciation and amortisation	2,538,000			-	-		2,538,000	-		2,538,000	1,903,500
Impairment of receivables	-			-	-		-	-		-	-
Legal costs	8,000			-	-		8,000	-		8,000	4,998
Consultants	348,500	68,662		-	(100,000)		317,162	(120,000)	2 (i)	197,162	52,894
Other expenses	960,050			-	(8,200)		951,850	-		951,850	616,966
Total expenses from continuing operations	7,594,955	68,662	-	10,000	(108,200)	-	7,565,417	(122,782)		7,442,635	4,973,912
Net operating result from continuing operations	2,586,643	2,422,795	-	(680,318)	(573,985)	-	3,755,135	71,849		3,826,984	648,978
Net Operating Result before Capital Items	93,047	(34,331)	-	(20,000)	(1,041,800)	-	(1,003,084)	29,103		(973,981)	(403,033)

Central Tablelands Water

Quarterly Budget Review Statement
for the period 01/01/22 to 31/03/22

Income & expenses budget review statement
Recommended changes to revised budget

Budget Variations being recommended include the following material items:

Notes	Details
2 (a)	\$17,877 increase in access charges. Revised estimate due to increase in connections.
2 (b)	\$200,000 reduction in water sales. Due to wet weather and reduced demand. June Qtr readings were less than expected.
2 (c)	\$15,000 increase in other revenue due to workers compensation reimbursements and incentive.
2 (d)	Capital contributions for TMI (near Blayney Golf Club entrance) of \$17,746 and Cowra Shire Council \$25,000 for main renewal and meter for Gooloogong Town Reservoir.
2 (e)	\$15,000 additional interest income due to higher interest rates.
2 (f)	\$58,444 additional income due to improved resale values for Council's fleet vehicles
2 (g)	\$34,000 from corporate wages vote to fund labour hire position - governance and executive support officer.
2 (h)	\$2,782 reduced interest expense upon final payout of external loan.
2 (i)	\$34,000 additional contract payments due to labour hire position (refer item 2 (g))
2 (j)	\$120,000 reduction in estimated consultant expenses. Being Council's share of deferred IWCM plan \$100,000 plus \$20,000 of other consultants not required.

Central Tablelands Water

Quarterly Budget Review Statement
for the period 01/01/22 to 31/03/22

Capital budget review statement

Budget review for the quarter ended 31 March 2022

Capital budget - Council Consolidated

(\$000's)	Original budget 2021/22	Approved changes				Revised budget 2021/22	Variations for this Mar Qtr	Notes	Projected year end result	Actual YTD figures
		Carry forwards	Other than by QBRs	Sep QBRs	Dec QBRs					
Capital expenditure										
New assets										
- Motor Vehicles	508,180					508,180			508,180	246,675
- Other Plant and Equipment	21,000				69,700	90,700	-		90,700	77,809
- Office Equipment (Inc. Tablets)	40,000					40,000			40,000	1,904
- Telemetry Upgrades	20,000	2,723				22,723			22,723	
- Reticulation Mains (new)	30,000				150,000	180,000	-		180,000	37,220
- Post Chlorinator - Greys Hill	50,000					50,000			50,000	
- Post Chlorinator - Grenfell North		50,000				50,000			50,000	
- Renewable Energy Infrastructure	200,000			(175,000)		25,000	73,400	3 (a)	98,400	
- Trunk Main I Relocation							17,746	3 (b)	17,746	17,746
- Blayney WTP - Generator Pad				2,670	-	2,670	-		2,670	2,670
- Carcoar WFP 12ML Reservoir	2,000,000	2,002,969			-	4,002,969	450,000	3 (c)	4,452,969	273,815
- Lake Rowlands Augmentation Study	500,000	66,543		(560,318)		6,225			6,225	6,225
- Woodstock Pump Station		359,657				359,657			359,657	107,144
- Automatic Filling Stations - Cudal and Cargo		21,564				21,564			21,564	1,794
- Water Quality Testing Facility - Pipeline		39,125				39,125	(39,125)	3 (d)	-	
- Dead Water Storage - Lake Rowlands		189,000				189,000	(189,000)	3 (e)	-	
- Lake Rowlands Pumped Hydro Project				75,000		75,000	(73,400)	3 (f)	1,600	1,600
- Smart Water Program				10,000		10,000			10,000	4,000
- Upgrade Gooloogong Reservoir Main							25,000	3 (g)	25,000	20,399
- Centroc Water Grid Project				25,000		25,000			25,000	23,245
New Assets Expenditure	3,369,180	2,731,581	-	(622,648)	219,700	5,697,813	264,621	-	5,962,434	822,246
Renewal assets (replacement)										
- Depot Upgrades	120,000					120,000			120,000	
- Blayney Office Refurbishments	30,000	14,035				44,035			44,035	8,336
- Blayney Office Outdoor Refurbishments		10,000				10,000			10,000	
- Cargo Pump Station Major Renewal	150,000					150,000			150,000	516
- Conomadne Pump Station Major Renewal	180,000					180,000			180,000	1,950
- Pump Station Renewals	51,159					51,159			51,159	15,665
- Bore Renewals	825,000			(825,000)		-	-		-	
- Trunk Main Renewal Trajere				5,000		5,000	-		5,000	4,103
- Reticulation Main Renewals	550,000	10,564		(250,000)		310,564	-		310,564	17,746
- Canowindra Reservoir Reline				55,500		55,500	-		55,500	55,498
- Blayney WFP Equipment Renewals				20,000	20,000	40,000	-		40,000	31,726
- Carcoar WTP Clearwater Tank Roof		10,000				10,000			10,000	
- Carcoar WFP - PLC Control Units							60,000	3 (h)	60,000	20,268
- Quandialla Reservoir Relining							50,000	3 (i)	50,000	
- Carcoar WFP - Filter Bed		112,727			1,302	114,029	-		114,029	114,029
- Carcoar Saturator Vessel	35,000					35,000			35,000	19,490
Renewal Expenditure	1,941,159	157,326	-	20,000	(993,198)	1,125,287	110,000	-	1,235,287	289,327
Sub Total - Asset Acquisition	5,310,339	2,888,907	-	(602,648)	(773,498)	6,823,100	374,621	-	7,197,721	1,111,573
Loan repayments (principal)	413,209					413,209			413,209	413,209
Total capital expenditure	5,723,548	2,888,907	-	(602,648)	(773,498)	7,236,309	374,621	-	7,610,930	1,524,782
Capital funding										
Rates & other untied funding	413,209					413,209			413,209	413,209
Capital grants & contributions	2,240,000	2,457,126		(660,318)	150,000	4,186,808	42,746	3 (k)	4,229,554	365,609
Reserves:										
- External restrictions/reserves		66,543				66,543			66,543	
- Internal restrictions/reserves	2,810,840	365,238		57,670	(923,498)	2,310,250	331,875	3 (l)	2,642,125	494,328
New loans										
Receipts from sale of assets										
- Plant & equipment	259,499					259,499			259,499	251,636
- Land & buildings										
Total capital funding	5,723,548	2,888,907	-	(602,648)	(773,498)	7,236,309	374,621		7,610,930	1,524,782
Net capital funding - surplus/(deficit)	-	-	-	-	-	-	-		-	-

This statement forms part of Council's Quarterly Budget Review Statement (QBRs) for the quarter ended 30/09/21 and should be read in conjunction with the total QBRs report.

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Central Tablelands Water

Quarterly Budget Review Statement
for the period 01/01/22 to 31/03/22Capital budget review statement
Recommended changes to revised budget

Budget variations being recommended include the following material items:

Notes	Details
3 (a)	\$73,400 returned to renewal energy vote due to pumped hydro project grant application being unsuccessful
3 (b)	\$17,746 additional vote for Road and Maritime Services (RMS) funded Trunk Main I relocation. This is in relation to work on the entrance to Blayney Golf Club off the Mid Western Highway.
3 (c)	\$450,000 additional funding for a contract adjustment in respect to the new 12 ML Reservoir at the Carcoar Water Filtration Plant.
3 (d)	\$39,125 for Water Testing Facility returned to infrastructure restriction as no longer required.
3 (e)	\$189,000 not required due dead water access Work at lake Rowlands not being required. Council incurred costs of \$25, 895 for preliminary works in prior years. \$12,947 is due back to Council for 50% of the cost of this work.
3 (f)	\$73,400 refer to item 3 (a). Grant application for pumped hydro not successful , funds not required.
3 (g)	\$25,000 for work on upgrade of main to Gooloogong town reservoir fully funded by Cowra Shire Council.
3 (h)	\$60,000 for purchasing spares for Carcoar Water Treatment Plant Program Logic Controller (PLC). This expenditure was discussed at the 16 February, 2022 Council meeting.
3 (i)	\$50,000 funding for the relining of the Quandialla town reservoir. This work has been delayed. by wet weather.
3 (k)	\$42,746 contributed to fund items 3 (b) and 3 (g).
3 (l)	\$331,875 additional funding from the infrastructure restriction being total capital expenditure ,variations for March quarter of \$374,621 less funded items of \$42,746

Central Tablelands Water

Quarterly Budget Review Statement
for the period 01/07/21 to 31/3/22

Leakage Allowances Granted - Financial Year to Date

	<u>No of Applications Granted</u>	<u>Total Allowance Kls</u>	<u>Total Allowance Granted \$</u>
<u>Sept Qtr</u>			
Residential	5	737.49	2,581.22
Non Residential	2	267.71	936.97
Total	7	1,005.20	3,518.19

	<u>No of Applications Granted</u>	<u>Total Allowance Kls</u>	<u>Total Allowance Granted \$</u>
<u>Dec Qtr</u>			
Residential	3	597.00	2,089.50
Non Residential	2	481.25	1,684.38
Total	5	1,078.25	3,773.88

	<u>No of Applications Granted</u>	<u>Total Allowance Kls</u>	<u>Total Allowance Granted \$</u>
<u>Mar Qtr</u>			
Residential	2	490.50	1,716.75
Non Residential	1	1,354.50	4,740.75
Total	3	1,845.00	6,457.50

Note: Council's undetected water leaks policy provides for an allowance to be granted if strict eligibility criteria are met as per the policy
The granting of a leakage allowance is at the absolute discretion of Council based upon individual circumstances.
Property owners are responsible for the maintenance of private water infrastructure on their properties.

Central Tablelands Water

Quarterly Budget Review Statement
for the period 01/01/22 to 31/03/22

Contracts budget review statement

Budget review for the quarter ended 31 March 2022

Part A - Contracts listing - contracts entered into during the quarter

Contractor/Supplier	Contract detail & purpose	Contract value GST Inc	Start date	Duration of contract	Budgeted (Y/N)	Notes
West Orange Motors	Purchase Toyota VX Prado	68,255	02/01/22	3 months	Y	Trade in and Plant Restriction
West Orange Motors	Purchase Toyota GXL Prado	64,093	02/01/22	3 months	Y	Trade in and Plant Restriction
Mick Corby Engineering	Carcoar Filtration Plant - PLC Parts	66,000	17/02/22	6 months	Y	CM 16/2/2022
Tony Leahey Ford	Purchase Four Ford Ranger Utilities	192,000	03/01/22	6 months	Y	Trade in and Plant Restriction

Notes:

1. Minimum reporting level is 1% of estimated income from continuing operations of Council or \$50,000 - whatever is the lesser.
2. Contracts listed are those entered into during the quarter being reported and exclude contractors on Council's Preferred Supplier list.
3. Contracts for employment are not required to be included.

12.10) INTEGRATED PLANNING & REPORTING REQUIREMENTS (GO.PR.1)

Author: Director Finance & Corporate Services
IP&R Link: Strategic Priority 2: An efficient, sustainable and customer focused organisation – Strategic Priority 3: Regional leadership and collaboration – Strategic Priority 1: Provide a high quality and reliable drinking water supply

RECOMMENDATION:

That in accordance with Sections 402-406 of the Local Government Act 1993 and Clause 219 of the Local Government (General) Regulations 2005, and following the statutory period of 28 days public exhibition, Council now resolve to adopt the following draft plans:

- a) Business Activity Strategic Plan 2022-2032
- b) Delivery Program 2022-2026
- c) Operational Plan 2022-2023
- d) Workforce Management Plan 2022-2026
- e) Asset Management Plan 2022-2026
- f) Long Term Financial Plan 2022-2032

REPORT

Council at its meeting held 19 May 2022 resolved to place a suite of Integrated Planning and Reporting (IP&R) Documents on public display for a period of 28 days.

These documents consisted of the following:

- Business Activity Strategic Plan 2022-2032
- Delivery Program 2022-2026
- Operational Plan 2022-2023
- Workforce Management Plan 2022-2026
- Asset Management Plan 2022-2026
- Long Term Financial Plan 2022-2032

Advertisements were placed in all regional and local papers advising that the draft plans were on public exhibition at the Council Office in Blayney and on Council's website. The exhibition period was from Friday 20 May to Friday 17 June 2022. The advertisements invited anyone to review the plans and to make written submissions by 5pm on Friday 17 June 2022.

A media release was also issued to all local media outlets regarding the Board's endorsement of the draft strategic plans.

No submissions were received by the public display closure time so Council can now proceed to adopt all listed draft IP&R plans.

In accordance with Section 532 of the Local Government Act upon adoption of these plans, Council can then proceed to make its fees and charges for 2022/23.

BUDGET IMPLICATIONS

Nil.

POLICY IMPLICATIONS

Nil.

ATTACHMENTS

Nil.

12.11) 2022/23 OPERATIONAL PLAN - MAKING OF FEES AND CHARGES (FM.PL.1)

Author: Director Finance & Corporate Services
IP&R Link: Strategic Priority 2: An efficient, sustainable and customer focused organisation – 2.2: Financial management – 2.2.3: Review schedule of fees and charges as part of the annual operational plan.

RECOMMENDATION:

1. That in accordance with Sections 501, 502, 503, 539, 541, and 552 of the Local Government Act 1993, Council make the following water charges for the 12 months commencing 1 July, 2022:

Water User Charges

Residential/ Rural	\$3.69 per kilolitre
Non Residential	\$3.69 per kilolitre
Industrial	\$3.69 per kilolitre
Non Potable Water	\$2.95 per kilolitre
Standpipe Sales	\$9.50 per kilolitre
Automatic Filling Stations	\$8.00 per kilolitre
Bulk Water	\$2.21 per kilolitre

Water Availability Charges – Per Annum

20mm	\$256.00
25mm	\$400.00
32mm	\$656.00
40mm	\$1,024.00
50mm	\$1,600.00
80mm	\$4,096.00
100mm	\$6,400.00
Fire Service (Fire Use only)	\$256.00
Unconnected Built upon Properties	\$128.00
Developer Charge (per ET)	\$6,404.00
Capital Contribution Charge (per ET)	\$6,404.00

2. That in accordance with Section 566 of the Local Government Act 1993, Council charge interest on overdue water charges at a rate of 6.0% for the 12 month period commencing 1 July, 2022.

REPORT

As the 2022/23 Operational Plan has been adopted by Council the water charges can now be made in accordance with Section 532 of the Local Government Act 1993 (LGA).

Pursuant to Section 377 (1) (d) of the LGA the making of the water charges requires a formal resolution of Council and cannot be completed until the Operational Plan has been adopted for the year in which the charges apply.

BUDGET IMPLICATIONS

In accord with the adopted 2022/23 Operational Plan.

POLICY IMPLICATIONS

Nil

ATTACHMENTS

Nil

12.12) AUDIT RISK AND IMPROVEMENT COMMITTEE (ARIC) (CM.AU.1)

Author: Director Finance & Corporate Services
IP&R Link: Strategic Priority 2: An efficient, sustainable and customer focused organisation – 2.3: Improving Performance and managing risk

RECOMMENDATION:

1. That Council note the appointment of Donna Rygate as the Chairperson of the Central Tablelands Water, Audit, Risk, and Improvement Committee.
2. That Council adopt the Central Tablelands Water Audit, Risk and Improvement Committee Charter.

REPORT

The first meeting of the new Audit Risk and Improvement Committee (ARIC) was held on Wednesday 18th May, 2022 at the Blayney Community Centre.

At that meeting nominations were called for the position of Committee Chairperson. Donna Rygate was nominated and elected to the position of Chairperson. Donna has sat on the Central Tablelands Water (CTW) ARIC as an independent member for approximately 4 years and is a member of a number of other ARICs.

At that meeting, the ARIC also reviewed the Charter and recommended two minor changes as follows:

1. That the composition and tenure of the committee structure be changed so that eligible Councillor members shall be “any Councillor other than the CTW Chairperson”. This brings the Charter in line with recommended best practice under the current 2010 Office of Local Government (OLG) Audit Committee guidelines. This change is also consistent with the discussions held at the 16 February, 2022 Council meeting where this eligibility criteria was applied when Cllr Nash was elected as the CTW ARIC representative.
2. In respect of meetings held it was suggested that the minimum number of meetings be changed from 3 to 4 per year. That is meetings will be held on a quarterly basis at a minimum.

These two recommended changes are marked in red on the attached Charter document.

It was noted that the latest OLG guidelines are still subject to review and have not commenced as yet. It is likely that when the new guidelines commence that the ARIC Charter will be reviewed again.

It should also be noted that a request for quotation for the Project Management Review of the Carcoar 12ML Reservoir Bulk Earthworks contract has been submitted on the Local Government Procurement Vendor Panel with a closing date of Friday 1 July, 2022.

BUDGET IMPLICATIONS

An amount of \$2,518 has been spent in 21/22 on the two committee meetings held to date, leaving an amount of \$18,982 remaining.

POLICY IMPLICATIONS

Section 428A of the Local Government Act 1993 outlines the requirements and duties of the ARIC. Section 23A of the Local Government Act apply to the new OLG guidelines that are to be released shortly.

ATTACHMENTS

- 1 ARIC Charter - June 2022 9 Pages



**CENTRAL TABLELANDS WATER AUDIT, RISK AND
IMPROVEMENT COMMITTEE CHARTER**

0622 Central Tablelands Water Audit, Risk and Improvement Committee Charter

1. OBJECTIVE

The objective of the Audit Committee (Committee) is to provide independent assurance and assistance to the council of Central Tablelands Water on risk management, control, governance, improvements and external accountability responsibilities.

2. AUTHORITY

The Council authorises the Committee, within the scope of its roles and responsibilities, to:

- < After consultation with the General Manager, obtain any information it needs from any employee or external party (subject to their legal obligations to protect information).
- < Discuss any matters with the external auditor or other external parties (subject to confidentiality considerations).
- < Request the attendance of any employee or councillor at Committee meetings.
- < Obtain external legal or other professional advice considered necessary to meet its responsibilities.

3. COMPOSITION AND TENURE

The Committee structure will consist of the following:

Members (voting)

- < Councillor **suggested change** (add "other than the CTW Chairperson)
- < Two independent external members (not members of the Council) who have relevant experience or qualifications.

Attendee (non-voting)

- < General Manager
- < Director of Finance and Corporate Services/Secretariat of the Committee

Invitees (non-voting) for specific Agenda items

- < Representatives of the external auditor
- < Representatives of the internal auditor
- < Other officers may attend by invitation as requested by the Committee.
- < The independent external members will be appointed for the elected term of the Council, after which they will be eligible for extension or re-appointment following a formal review of their performance by the Chairman and General Manager. Council will develop Key Performance Indicators for independent external members that shall form the basis of performance review.

0622 Central Tablelands Water Audit, Risk and Improvement Committee Charter

- ⟨ The maximum number of terms an independent external member can sit on the committee without the need for further nominations is 2 terms.
- ⟨ In the case of a vacancy arising on the committee of an independent external member, the Council is to appoint another independent external member as soon as is practicably possible, but no later than one month prior to the next meeting, so that there are always two independent external members on the committee.

The members of the Committee, taken collectively, will have a broad range of skills and experience relevant to the operations of Central Tablelands Water. At least one member of the Committee shall have accounting or related financial management experience, with understanding of accounting and auditing standards in a public sector environment. Experience and knowledge of the Local Government sector is desirable but not essential to be an independent external member of the Committee.

4. ROLES AND RESPONSIBILITIES

The Committee has no executive powers, except those expressly provided by the Council. In carrying out its responsibilities, the Committee must at all times recognise that primary responsibility for management of Council rests with the Council and the General Manager as defined by the Local Government Act 1993, as amended.

The responsibilities of the Committee may be revised or expanded by the Council from time to time. The Committee's responsibilities are:

Risk Management

- ⟨ Review whether management has in place a current and comprehensive risk management framework, and associated procedures for effective identification and management of business and financial risks, including fraud.
- ⟨ Review whether a sound and effective approach has been followed in developing strategic risk management plans for major projects or undertakings;
- ⟨ Review the impact of the risk management framework on its control environment and insurance arrangements; and
- ⟨ Review whether a sound and effective approach has been followed in establishing business continuity planning arrangements, including whether plans have been tested periodically.

Internal Control framework

- ⟨ Review whether management has adequate internal controls in place, including over external parties such as contractors and advisors;
- ⟨ Review whether management has in place relevant policies and procedures, and that these are periodically reviewed and updated;
- ⟨ Progressively review whether appropriate processes are in place to assess whether policies and procedures are complied with;
- ⟨ Review whether appropriate policies and procedures are in place for the management and exercise of delegations; and

0622 Central Tablelands Water Audit, Risk and Improvement Committee Charter

- ⟨ Review whether management has taken steps to embed a culture which is committed to ethical and lawful behavior.

External Accountability

- ⟨ Satisfy itself the annual financial reports comply with applicable Australian Accounting Standards and the Local Government Code of Accounting Practice and Reporting, including all relative legislative requirements and supported by appropriate management sign-off on the financial statements and the adequacy of internal controls.
- ⟨ Review the external audit opinion, including whether appropriate action has been taken in response to audit recommendations and adjustments.
- ⟨ To consider contentious financial reporting matters in conjunction with Council's management and external auditors.
- ⟨ Review the processes in place designed to ensure financial information included in the annual report is consistent with the signed financial statements.
- ⟨ Satisfy itself there are appropriate mechanisms in place to review and implement, where appropriate, relevant State Government reports and recommendations.
- ⟨ Satisfy itself there is a performance management framework linked to organisational objectives and outcomes.

Internal Audit

- ⟨ Act as a forum for communication between Council, General Manager, senior management, internal audit and external audit.
- ⟨ Review the internal audit coverage and internal audit plan, including consideration of the risk management plan to inform internal audit priorities, and approve the plan.
- ⟨ Consider the adequacy of internal audit resources to carry out its responsibilities, including completion of the approved internal audit plan.
- ⟨ Review all audit reports and consider significant issues identified in audit reports and action taken on issues raised, including identification and dissemination of better practices.
- ⟨ Monitor the implementation of internal audit recommendations by management.
- ⟨ Periodically review the Internal Audit Charter to ensure appropriate organisational structures, authority, access and reporting arrangements are in place.
- ⟨ Periodically review the performance of internal audit.

External Audit

- ⟨ Act as a forum for communication between the Council, General Manager, senior management, internal audit and external audit.
- ⟨ Provide input and feedback on the external audit coverage proposed by the External Auditor, and provide feedback on the external audit services provided.
- ⟨ Review all external plans and reports in respect of planned or completed external audits, and monitor the implementation of audit recommendations by management.
- ⟨ Consider significant issues raised in relevant external audit reports and better practice guides, and ensure appropriate action is taken.

Compliance

- ⟨ Oversee Council's compliance arrangements including legislative compliance and :

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- < Determine if management has appropriately considered legal and compliance risks as part of risk assessment and management arrangements.
- < Review the effectiveness of the system for monitoring compliance with relevant laws, regulations and associated government policies.

Fraud and corruption prevention

- < Oversee Council 's fraud and corruption prevention arrangements and:
- < Review and discuss with management their philosophy with respect to business ethics and corporate conduct, its written Code of Conduct and the programme it has in place to monitor compliance with that code.
- < Monitor the level of and issues raised in relation to Public Interest Disclosures, customer complaints, and internal and external conduct investigations (for example by the Independent Commission Against Corruption).
- < Review Council's assessment of the level of exposure to fraud and corruption.
- < Review management's strategies and controls to manage fraud and corruption risks.

Business Improvement

Oversee Council's business improvement activities by:

- < Reviewing the overall approach and arrangements in place that support management implementing a successful culture of continuous improvement to drive productivity and efficiency gains;
- < Monitoring business improvement initiatives, programmes , projects etc. including :
 1. Organisational reviews.
 2. Service delivery reviews.
 3. Strategic plans.
 4. Development of performance criteria / data requirements and the collection of data for performance reporting against such criteria.
- < Reviewing the annual performance of Council against its documented key performance criteria and providing advice to the General Manager on the adequacy of Council's performance against the documented criteria;
- < Reviewing Council's community survey results and providing advice to the General Manager on the adequacy of Council's performance in terms of community satisfaction; and
- < Identifying and recommending to the General Manager Council activities, services, business processes, systems etc. that may benefit from a review, through the Committee's exercise of its functions.

Accountability

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The key requirements are:

- < The Committee is accountable for ensuring that it meets the requirements as set out in this Charter;
- < All members are accountable to ensure that they abide by the Council Code of Conduct at all times;
- < All members are accountable to ensure that they act in accordance with the conflicts of interest section of this Charter;
- < All members of the Committee are individually accountable for:
 - < Understanding the relevant legislative and regulatory requirements appropriate to Council;
 - < Contributing the time needed to study and understand the papers provided;
 - < Applying good analytical skills, objectivity and good judgment;
 - < Expressing opinions frankly, ask questions that go to the fundamental core of issues, and pursue independent lines of enquiry.
- < Acting honestly and in good faith;
- < Actively participating in the work of the Committee;
- < Performing their duties in a manner that engenders public trust in the integrity, objectivity, and impartiality of the Committee;
- < Conducting the business of the Committee with the care, diligence and skill appropriate to the role;
- < Declaring any change in employment status; and
- < Complying with the Committee's Charter.

Transparency

- < The Committee will provide advice to Management on the public disclosure of records relating to the internal audit function, consistent with relevant legislation (such as The Privacy and Personal Information Protection Act 1998 and the Government Information (Public Access) Act 2009), including the redaction of any sensitive information;
- < Due to the inherent risks associated with the disclosure of potentially sensitive and/or confidential information, the Committee will give due consideration to each item presented at a Committee meeting on a merit (case by case) basis;
- < In some instances, the Committee may recommend the non-release, or delayed release, of a particular report, at least until such time as the findings contained within it are sufficiently managed so as not to jeopardise Council's financial, legal safety or other risks;
- < The Committee may seek input or advice from Council's nominated GIPA and PPIPA specialists in relation to any public disclosures; and
- < The Committee will ensure that generally, all agendas and minutes of Committee meetings will be made publicly available subject to privacy and confidentiality considerations.

RESPONSIBILITIES OF MEMBERS

Members of the Committee are expected to:

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- ⟨ Understand the relevant legislative and regulatory requirements appropriate to the council of Central Tablelands Water;
- ⟨ Contribute the time needed to study and understand the information provided;
- ⟨ Apply good analytical skills, objectivity and good judgment; and
- ⟨ Express opinions frankly, ask questions that go to the fundamental core of issues, and pursue independent lines of enquiry.

In addition to the above, the Chairperson shall have the following additional responsibilities:

- ⟨ Approval of draft meeting minutes;
- ⟨ Input into Committee agenda;
- ⟨ Driving the completion of audit program.
- ⟨ Suggestions for changes/improvements to Charter.
- ⟨ Timely completion of annual Committee Report.
- ⟨ Initiation of a periodic review of the effectiveness of the ARIC against its Charter at least once every two (2) years.

5. REPORTING

At the first Committee meeting after 30 June each year, the Committee will provide a report of:

- ⟨ The performance of Internal Audit for the financial year as measured against agreed key performance indicators;
- ⟨ The approved Internal Audit Plan of work for the previous financial year showing the current status of each audit;
- ⟨ The Committee may, at any time, consider any other matter it deems of sufficient importance to do so. In addition, at any time an individual Committee member may request a meeting with the Chair of the Committee.

6. MEETINGS

The audit committee should meet a minimum of 3 **suggested change to (4)** times per year to meet its obligations, for the following reasons:-

1. Create and adopt an audit schedule for the following 12 months;
2. Review completed audits;
3. Review developments that have impacted Council's operations during the course of the year;

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4. Consider results and agree to action plans and monitor and review ongoing actions;
5. Consider legislative or regulatory changes to review the impact upon Council.
6. Report actions and update.

The need for any additional meetings will be decided by the Chair of the Committee, though other Committee members may make requests to the Chair for additional meetings.

A forward meeting plan, including meeting dates and agenda items, will be agreed by the Committee each year. The forward meeting plan will cover all Committee responsibilities as detailed in this Charter.

7. ATTENDANCE AT MEETINGS AND QUORUMS

A quorum will consist of a majority of Committee members, including at least one independent member. Meetings can be held in person, by telephone, video or web conference.

A person/team conducting the internal audit will be invited to attend each meeting unless requested not to do so by the Chair of the Committee. The Committee may also request the Director of Finance and Corporate Services or the Secretariat of the Audit Committee as appointed or any other employees to participate for certain agenda items, as well as the external auditor.

8. SECRETARIAT

As Council does not have the resources and needs to support a dedicated internal auditor position, the role of Secretariat to the Committee will be undertaken by a nominated staff member of Council.

The Secretariat is the link between the Committee and the day to day operations and staff of the Council. They act as coordinator for the internal audit function.

The Secretariat will ensure the agenda for each meeting and supporting papers are circulated, at least one week before the meeting, and ensure minutes of the meetings are prepared and maintained. Minutes shall be approved by the Chair and circulated to each member within 30 days of the meeting being held.

9. CONFLICTS OF INTEREST

Committee members must declare any conflicts of interest at the start of each meeting or before discussion of a relevant agenda item or topic. Details of any conflicts of interest should be appropriately minuted.

Where members or invitees at Committee meetings are deemed to have a real or perceived conflict of interest, it may be appropriate they be excused from Committee deliberations on the issue where the conflict of interest may exist. The final arbiter of such a decision is the Chair of the Committee.

10. INDUCTION

New members will receive relevant information and briefings on their appointment to assist them to meet their Committee responsibilities. Training and professional development opportunities for Committee Members will be advised if available.

11. ASSESSMENT ARRANGEMENTS

The Chair of the Committee will initiate a review of the performance of the Committee at least once every 2 years. The review will be conducted on a self-assessment basis (unless otherwise determined by the Chair), with appropriate input from management and any other relevant stakeholders, as determined by the Chair.

12. REVIEW OF AUDIT COMMITTEE CHARTER

At least once every Council term the Committee will review this Committee Charter. The Council will approve any changes to the Charter.

Adopted:	Council Meeting	Date:17/4/2018
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12.13) WATER SECURITY - DROUGHT IMPACT UPDATE (WS.AM.1)**Author:** Director Operations & Technical Services**IP&R Link:** – 1.1.1: Deliver capital works program based on asset management data. Strategic Priority 1: Provide a high quality and reliable drinking water supply**RECOMMENDATION:**

That Council note the information in the report.

REPORT

Central Tablelands Water (CTW) continues to welcome ongoing rainfalls in its Lake Rowlands Dam (LRD) catchment area.

In following with NSW State Government directions, CTW continues to develop its drought resilience opportunities through continuance of the below projects:

1. The fit out of Woodstock Pump Station continues to progress within budget and in a timely manner.
2. CTW, in conjunction with Parkes and Forbes Shire Councils, has now completed the final draft of the Centroc Water Grid Pipeline project. The project team is awaiting feedback from DPE Water on the draft final business case.

BUDGET IMPLICATIONS

Project		Woodstock Pump Station		
Approved Budget		\$806,703 (includes \$63,886 contingency)		
Project End date		June 2022		
Revised Budget	Expenditure to date	Projected (*)	Total	Remaining Funds (**)
\$806k	\$637k	\$83k	\$720k	\$86k

Note: (*) Projected costs include 1-2 weeks of commissioning.

(**) Remaining funds will be available for CTW's 12ML reservoir project.

POLICY IMPLICATIONS

Nil

ATTACHMENTS

Nil.

12.14) PERFORMANCE OF COUNCIL'S SYSTEMS (WS.MO.4)

Author: Director Operations & Technical Services
IP&R Link: Strategic Priority 1: Provide a high quality and reliable drinking water supply – Strategic Priority 2: An efficient, sustainable and customer focused organisation – 2.1.4: Establish service levels and monitor and report on performance.

RECOMMENDATION:

That Council note the information.

REPORT

FROM 07/04/2022 to 15/06/2022

a) Main Breaks

Location		Date	Size / Type	Comment
Blayney	Stillingfleet St	4/05/2022	100mm AC	R&RP
Canowindra	Nth Canowindra – Traves Ln	22/03/2022	80mm AC	DNR
Canowindra	Robinson St	27/03/2022	100mm AC	R&RP
Canowindra	Sutton St	29/04/2022	100mm AC	DNR
Canowindra	Nth Canowindra – Traves Ln	3/05/2022	80mm AC	DNR
Canowindra	Tilga St	9/05/2022	50mm PVC	DNR
Cargo	Belmore St	22/04/2022	100mm AC	DNR
Cudal	Long St	21/03/2022	100mm PVC	New end Cap
Millthorpe	Pilcher St	27/4/2022	100mm AC	DNR
Trajere	Meadowbank Rd – pump stn	6/04/2022	100mm AC	R&RP



DNR
Notes

PIPE FAIL

WELD

1. CTW Mains (Trunk & Retic) Break score of 10/573km == 1.75/100km.
 Rolling Value across 12mths = 8.38/100km which is slightly lower than the 2017-18 NSW State Median benchmark of 9.0 breaks/100km.

b) Service Activities and Requests

ACTIVITIES	PREVIOUS YEARS			THIS PERIOD		Total Meters
	2019	2020	2021	2022	% of Total meters	
BLAYNEY	19	15	22	29	1.97%	1470
CHECK METER READING	0	0	1	2	0.14%	
CUSTOMER DAMAGED METER	0	0	1	0	0.00%	
DIRTY WATER COMPLAINT	0	1	0	1	0.07%	
HYDRANT LEAKING	0	0	0	3	0.20%	
LEAKING METER	1	6	9	13	0.88%	
LEAKING SERVICE	3	1	3	2	0.14%	
LOW PRESSURE COMPLAINT	1	0	0	1	0.07%	
MAIN BREAK	3	5	1	1	0.07%	
MAINTENANCE - GENERAL	3	0	4	6	0.41%	
METER NEW / REPLACEMENT	2	0	3	0	0.00%	
METER NOT SHUTTING OFF	3	2	0	0	0.00%	
QUALITY COMPLAINT	3	0	0	0	0.00%	
Total Complaints = 2						

ACTIVITIES	PREVIOUS YEARS			THIS PERIOD		Total Meters
	2019	2020	2021	2022	% of Total meters	
CANOWINDRA	21	15	27	13	1.15%	1135
CHECK METER READING	0	0	0	1	0.09%	
DIRTY WATER COMPLAINT	1	0	0	0	0.00%	
HYDRANT LEAKING	0	1	0	0	0.00%	
LEAKING METER	4	4	1	3	0.26%	
LEAKING SERVICE	6	6	4	1	0.09%	
LOW PRESSURE COMPLAINT	0	0	0	1	0.09%	
MAIN BREAK	6	3	3	5	0.44%	
MAINTENANCE - GENERAL	0	0	5	1	0.09%	
METER NEW / REPLACEMENT	1	0	8	0	0.00%	
METER NOT SHUTTING OFF	1	1	1	0	0.00%	
METER SPECIAL METER READING	0	0	5	0	0.00%	
NO WATER COMPLAINT	0	0	0	1	0.09%	
QUALITY COMPLAINT	2	0	0	0	0.00%	
Total Complaints = 2						

ACTIVITIES	PREVIOUS YEARS			THIS PERIOD		Total Meters
	2019	2020	2021	2022	% of Total meters	

CARCOAR	1	3	2	0	0.00%	134
LEAKING METER	1	0	2	0	0.00%	
MAIN BREAK	0	2	0	0	0.00%	
NO WATER COMPLAINT	0	1	0	0	0.00%	
Total Complaints = 0						

ACTIVITIES	PREVIOUS YEARS			THIS PERIOD		Total Meters
	2019	2020	2021	2022	% of Total meters	
CARGO	3	3	3	1	0.61%	163
LEAKING METER	0	0	2	0	0.00%	
LEAKING SERVICE	0	1	1	0	0.00%	
MAIN BREAK	2	2	0	1	0.61%	
NO WATER COMPLAINT	1	0	0	0	0.00%	
Total Complaints = 0						

ACTIVITIES	PREVIOUS YEARS			THIS PERIOD		Total Meters
	2019	2020	2021	2022	% of Total meters	
CUDAL	4	1	6	3	1.30%	230
CHECK METER READING	1	0	0	0	0.00%	
LEAKING METER	2	0	1	2	0.87%	
LEAKING SERVICE	0	0	0	0	0.00%	
MAIN BREAK	0	0	0	1	0.43%	
MAINTENANCE - GENERAL	0	1	0	0	0.00%	
METER NEW / REPLACEMENT	0	0	5	0	0.00%	
METER NOT SHUTTING OFF	1	0	0	0	0.00%	
Total Complaints = 0						

ACTIVITIES	PREVIOUS YEARS			THIS PERIOD		Total Meters
	2019	2020	2021	2022	% of Total meters	
EUGOWRA	4	3	4	5	1.29%	389
CUSTOMER DAMAGED SERVICE	1	0	0	0	0.00%	
LEAKING METER	1	2	1	1	0.26%	
LEAKING SERVICE	1	1	1	2	0.51%	
MAIN BREAK	0	0	0	1	0.26%	
MAINTENANCE – GENERAL	1	0	0	0	0.00%	
METER NEW / REPLACEMENT	0	0	1	1	0.26%	
METER NOT SHUTTING OFF	0	0	1	0	0.00%	
Total Complaints = 0						

ACTIVITIES	PREVIOUS YEARS			THIS PERIOD		Total Meters
	2019	2020	2021	2022	% of Total meters	
GRENFELL	8	15	10	15	1.04%	1344
BURST METER	0	0	0	1	0.07%	
CHECK METER READING	2	0	0	2	0.15%	
DIRTY WATER COMPLAINT	0	4	0	0	0.00%	
DISCONNECTION OF WATER SUPPLY	0	0	0	1	0.07%	
LEAKING METER	1	4	4	7	0.52%	
LEAKING SERVICE	2	3	2	0	0.00%	
MAIN BREAK	0	1	0	0	0.00%	
MAINTENANCE – GENERAL	2	1	2	2	0.15%	
METER NEW / REPLACEMENT	0	0	2	2	0.15%	
METER NOT SHUTTING OFF	1	1	0	0	0.00%	
NO WATER COMPLAINT	0	1	0	0	0.00%	
Total Complaints = 0						

ACTIVITIES	PREVIOUS YEARS			THIS PERIOD		Total Meters
	2019	2020	2021	2022	% of Total meters	
LYNDHURST	2	1	1	1	0.65%	155
LEAKING METER	0	1	0	1	0.65%	
LEAKING SERVICE	0	0	0	0	0.00%	
LOW PRESSURE COMPLAINT	1	0	0	0	0.00%	
MAINTENANCE – GENERAL	1	0	1	0	0.00%	
Total Complaints = 0						

ACTIVITIES	PREVIOUS YEARS			THIS PERIOD		Total Meters
	2019	2020	2021	2022	% of Total meters	
MANDURAMA	0	1	3	3	0.75%	134
LEAKING METER	0	1	0	1	0.75%	
LEAKING SERVICE	0	0	2	0	0.00%	
LOW PRESSURE COMPLAINT	0	0	0	1	0.75%	
METER NEW / REPLACEMENT	0	0	1	1	0.75%	
Total Complaints = 1						

ACTIVITIES	PREVIOUS YEARS			THIS PERIOD		Total Meters
	2019	2020	2021	2022	% of Total meters	
MANILDRA	5	0	9	3	1.07%	280

CUSTOMER DAMAGED MAIN	1	0	0	0	0.00%	
LEAKING METER	3	0	0	0	0.00%	
LEAKING SERVICE	1	0	3	0	0.00%	
MAIN BREAK	0	0	3	0	0.00%	
MAINTENANCE – GENERAL	0	0	0	2	0.71%	
METER NEW / REPLACEMENT	0	0	3	1	0.36%	
Total Complaints = 0						

ACTIVITIES	PREVIOUS YEARS			THIS PERIOD		Total Meters
	2019	2020	2021	2022	% of Total meters	
MILLTHORPE	8	3	2	7	1.31%	458
BURST METER	0	0	0	1	0.22%	
LEAKING METER	2	1	0	1	0.22%	
LEAKING SERVICE	1	1	0	2	0.44%	
LOW PRESSURE COMPLAINT	1	0	0	0	0.00%	
MAIN BREAK	1	1	0	1	0.22%	
MAINTENANCE - GENERAL	1	0	1	2	0.44%	
METER NOT SHUTTING OFF	1	0	0	0	0.00%	
METER SPECIAL METER READING	0	0	1	0	0.00%	
PATHCOCK FAILURE	1	0	0	0	0.00%	
Total Complaints = 0						

ACTIVITIES	PREVIOUS YEARS			THIS PERIOD		Total Meters
	2019	2020	2021	2022	% of Total meters	
QUANDIALLA	0	0	1	2	2.00%	100
BURST METER	0	0	1	0	0.00%	
CHECK METER READING	0	0	0	1	1.00%	
LEAKING METER	0	0	1	0	0.00%	
LEAKING SERVICE	0	0	0	0	0.00%	
METER NEW / REPLACEMENT	0	0	0	1	1.00%	
Total Complaints = 0						
TOTAL ACROSS CTW TOWNSHIPS	75	60	90	82	1.37%	5992

Notes:

1. Comparison years use data from the normal 8 week period i.e. April to June
2. Total Meters is the number of meters connected to consumers.
3. CTW complaint rolling value score across 12mths == 14.19%, mostly attributed to water discolouring issues in Blayney township at the beginning of 2022, resulting in a vastly higher than the 2017/18 NSW State median of 5.0 complaints/1000 connections.

4. CTW Total Service Activities and Requests score == 1.37%, which is below CTW benchmark of 5% across all townships.

c) *Lake Rowlands*

The current level of Lake Rowlands Dam is 102% (15.06.22) with the Dam's scour valve fully shut.

d) *Water Services*

Since 7th April 2022, there have been an additional eight (8) new domestic water services connected to, and 1 water meter disconnected from, Council's mains.

e) *Water transfer through CTW ⇔ OCC pipeline*

No water has been transferred to, or from, Orange using this pipeline.

BUDGET IMPLICATIONS

Nil.

POLICY IMPLICATIONS

Nil.

ATTACHMENTS

Nil.

12.15) MAINTENANCE OF COUNCIL'S SYSTEMS (WS.MO.4)

Author: Director Operations & Technical Services
IP&R Link: Strategic Priority 1: Provide a high quality and reliable drinking water supply – 1.1.2.2: Implement revised maintenance program. – 1.1.4: Maintain cleanliness of Facilities. – 1.1.5: Maintenance and flushing programs in place for reticulation system. – 1.5.5.2: Implement water meter replacement program. – 1.5: Efficient use of water

RECOMMENDATION:

That Council note the information in the General Report.

REPORT**GENERAL REPORT**

- a) *Meter Reading*
The fourth meter read for the 2021-22 financial year commenced on 4 April 2022 in accordance with CTW's meter reading schedule.
- b) *Meter Change Program*
There have been thirty-nine (39) water meter changes since the previous reporting period.
- c) *Water Filtration Plants*
Carcoar Water Treatment Plant (CWTP) performance has returned to its previous level since the replacement of the saturator vessel in May 2022.
Blayney Water Treatment Plant (BWTP) has maintained its full operational performance.
- d) *Pump Stations*
Cleaning of pump stations listed under general maintenance has continued throughout our network over the past months.
- e) *Drinking Water Quality*
There have been no reportable incidences of exceeding CTW's Critical Control Points for delivery of drinking water from CTW's Water Treatment Plants.
- f) *Trunk Mains*
Ongoing inspections continue to be hampered due to the persistent wet weather conditions.
- g) *Hydrants*
Ongoing inspections and maintenance requirements have continued on hydrants throughout all towns on the CTW supply network during the previous three months.
- h) *Rural Scheme renewals*
No renewals have been undertaken for this 2021-22 financial year.
- i) *Reticulation main renewals*
Works have continued on the replacement of high risk reticulation mains in the township of Millthorpe. Works have started on the planned reticulation replacement in the Canowindra township.

BUDGET IMPLICATIONS

Nil.

POLICY IMPLICATIONS

Nil.

ATTACHMENTS

Nil.

12.16) RENEWABLE ENERGY PROJECTS (ET.SP.2)

Author: Director Operations & Technical Services
IP&R Link: – 1.4.3: Develop and implement an energy cost reduction strategy.

RECOMMENDATION:

That Council:

1. Note the Solar PV and Battery System Optimisation Report covering Lake Rowlands, Carcoar Water Filtration Plant and Canomodine Pump Station developed by Chargeworks Pty Ltd, and
2. Endorse the staged approach planned for going to market under a Request for Quotation (RFQ) process being:
 - a) Stage 1 - Carcoar Water Filtration Plant and Canomodine Pump Station, and
 - b) Stage 2 - Lake Rowlands Pump Station.

REPORT

In 2021, through the Department of Planning and Environment's Sustainable Councils and Communities (SCC) Program, the Central NSW Joint Organisation (CNSWJO) assigned ChargeWorks Pty Ltd to conduct a solar PV and battery storage feasibility assessment on the three sites identified by CTW as being conducive to solar operation.

CTW identified three sites being Lake Rowlands Pump Station, Carcoar Water Filtration Plant and Canomodine Pump Station.

As a result of these assessments, CTW engaged Chargeworks to further assist with the preparation of the detailed design that included a Scope of Works and the Technical Specifications for each of those sites, to enable CTW to go to market through a Request for Quotation (RFQ) process.

The assessment for these sites, based on simple payback is provided in the table below.

Location	Cost	Simple Payback
Lake Rowlands Pump Station	\$187k	6.6 years
Carcoar Water Filtration Plant	\$115k	3.7 years
Canomodine Pump Station	\$122k	9.9 years

The proposed investment for all three sites are conducive to CTW's commitment to the implementation of renewable energy within its operations. However, whilst the augmentation of Lake Rowlands Dam is under review, it is recommended that a staged approach would be better suited to CTW's current operations. The staged approach being as follows:

- Stage 1 - Carcoar Water Filtration Plant and Canomodine Pump Station, and
 Stage 2 - Lake Rowlands Pump Station.

BUDGET IMPLICATIONS

Operational Plan 22/23

POLICY IMPLICATIONS

NIL

ATTACHMENTS

- 1 Chargeworks Solar PV and Battery System Optimisation Report 17 Pages



April 2022



Solar PV + Battery System Optimisation
at Lake Rowlands, Carcoar WFP and Canomodine Pump

Prepared for Central Tablelands Water



Page | 1

ChargeWorks Pty Lt

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evan@chargeworks.com.au

Introduction

ChargeWorks has been engaged by Central Tablelands Water (CTW) to assist in the design and specification of three ground mounted solar PV + battery systems at:

- Carcoar Water Treatment Plant
- Lake Rowlands Dam
- Canomodine Transfer Pump

The document investigates the system size at each site and provides recommendations around the optimum sizes in terms functionality and the corresponding business case.

In 2021, ChargeWorks conducted a solar PV and battery storage feasibility assessment for these sites. We have since analysed new electricity usage data and reviewed the business case for each of these sites to determine the proposed system sizes. Optimising pump operation hours to work with solar PV and battery storage provides a unique and attractive business case for Central Tablelands Water.

CTW should limit the size of the solar PV systems to below 100kW for each site to be eligible for STCs (small technology certificates). This will lower the capital cost and optimise the business case for each site. ChargeWorks has based the system sizes around available products in the market and received indicative quotes from contractors.

Carcoar Water Filtration Plant

Carcoar Water Filtration Plant is a candidate for a 99.9kW ground mounted solar PV system.

This system, which does not include a battery, presents the most attractive business case of the three sites investigated. CTW has already cleared the land to the North of the filtration plant in preparation for solar PV. This site has two main switchboards, each with an electricity meter that share a common NMI.

Carcoar WFP has experienced a significant increase in energy usage in 2021. This improves the business case for solar PV as more of the energy generated will be directly consumed on site.

Site	2018 Annual Consumption	2019 Annual Consumption	2020 Annual Consumption	2021/22 Annual Consumption
Carcoar Water Filtration Plant	406,893	397,693	344,020	515,582

The graphs below show the average daily load profile for Carcoar WFP before and after solar PV. The energy consumption appears to be relatively consistent between seasons.

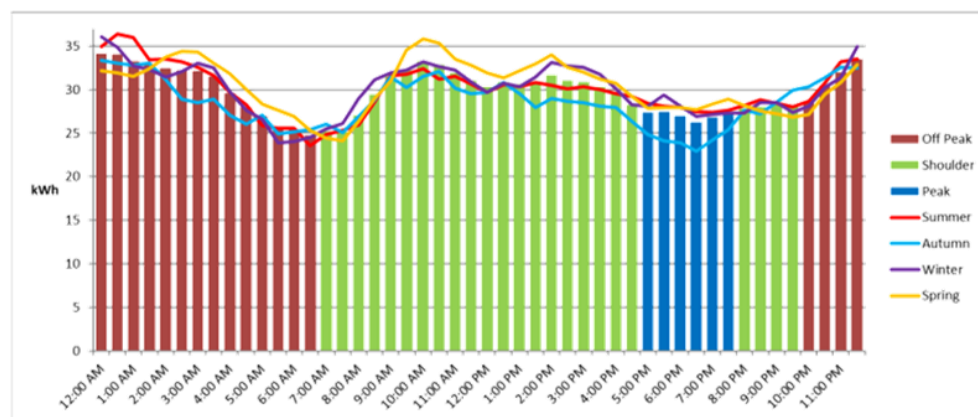


Figure 1: Carcoar WFP Average Daily Load Profile

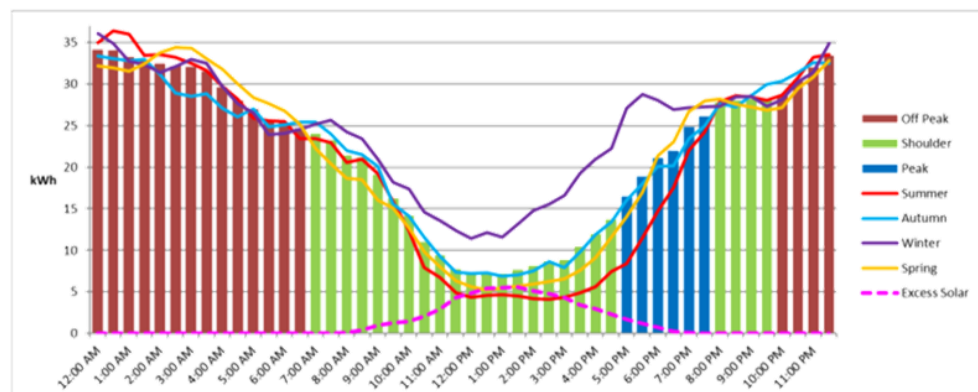


Figure 2: Carcoar WFP – Average Load Profile 99.9kW solar PV

Tariff Optimisation

The daily load profile at Carcoar fluctuates depending on the demand for water throughout the day. CTW will have more flexibility with pump operation hours once the new 12ML reservoir becomes operational. Increasing the amount of daytime pumping in line with peak solar generation hours will improve the business case.

The graph below shows three example daily load profiles in comparison to the average power output of a 99.9kW solar system where the brown rectangle indicates the peak electricity period (during which CTW pays expensive demand charges).

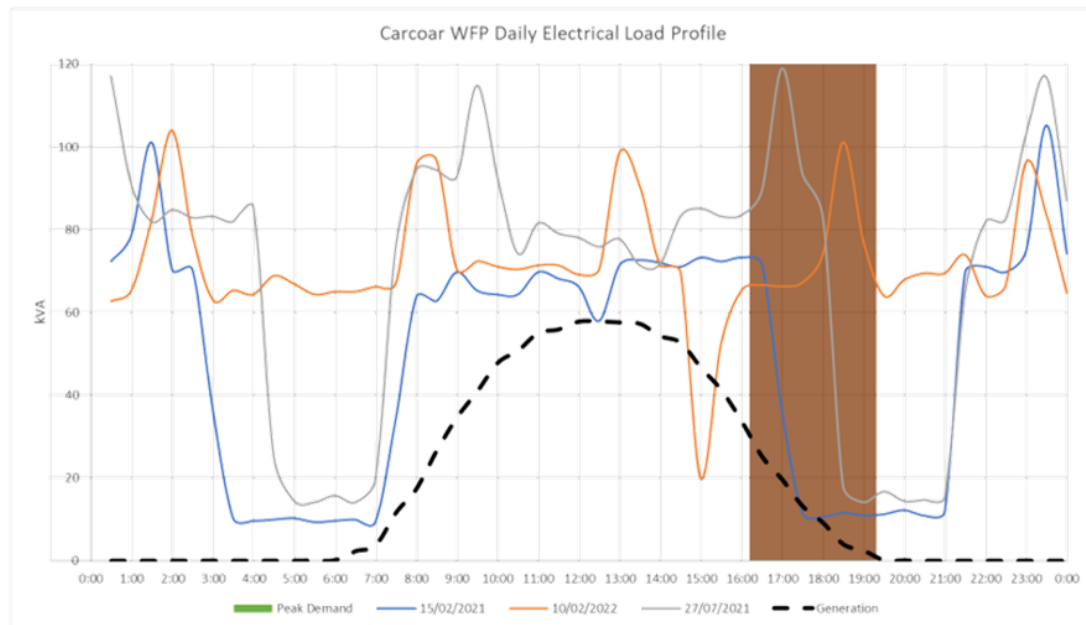


Figure 3: Carcoar WFP - Daily Load Profiles

ChargeWorks analysis has determined that:

- CTW can match its pumping schedule to suit available solar generation to save \$18,211 in energy per annum.
- CTW can leverage the increase in water storage capacity and **eliminate pumping in the peak period** (brown above), thereby saving \$1,082 per month (\$12,984 p.a.) in demand charges.

Total savings of over \$30,000 per annum is achievable at this site.

Solar PV

Central Tablelands Water has already cleared a large area of land in preparation for the installation of a ground mounted solar PV system.

The proposed 99.9kW system will be free from shading and oriented for maximum daily energy generation. The system will be connected to the switchboard in the pump shed located at the bottom of the hill.

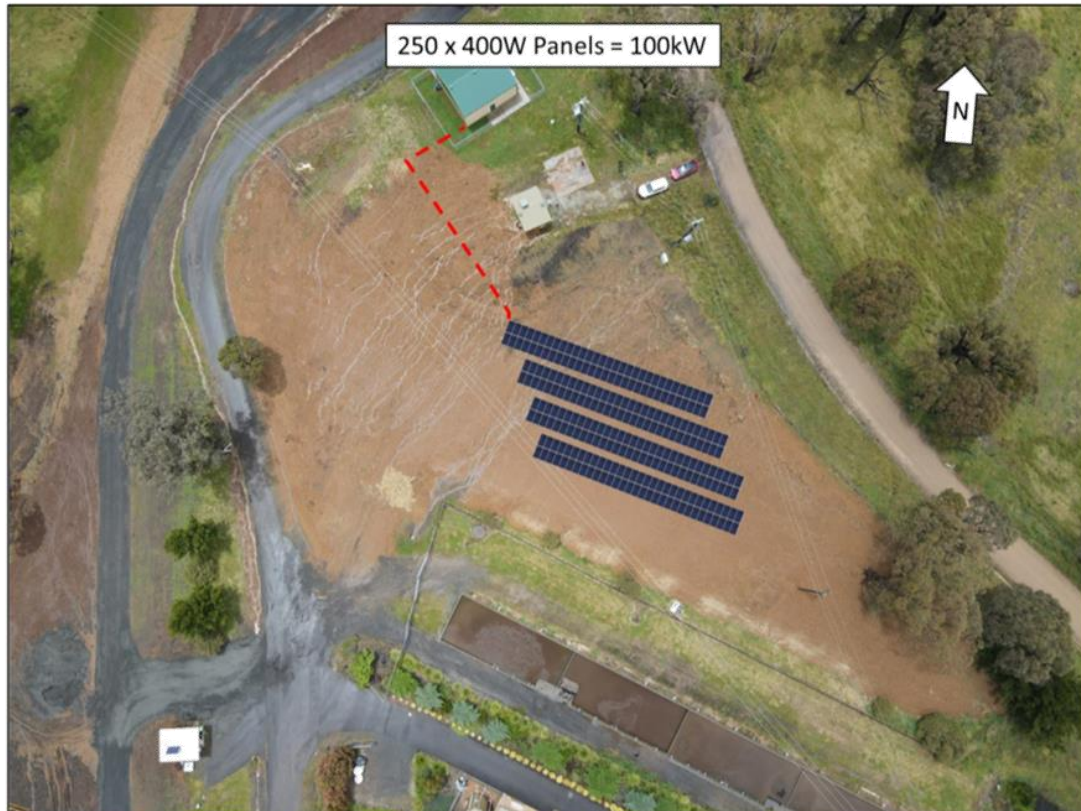


Figure 4: Carcoar WFP - Proposed Solar PV Location

The inverter is to be installed in the new pump shed near the main switchboard. This has the benefit of protecting electrical components from the weather and facilitating a DC cable run underground, which mitigates any voltage rise concerns.

ChargeWorks recommends that CTW install a solar PV inverter with a minimum continuous power rating of 80kW.

The cable run from the solar array to the point of connection will require conduits to be buried 600mm underground. CTW may elect to undertake these groundworks in preparation or include these works as part of the specification.

Battery Storage

Whilst CTW could install a battery for peak lopping, a superior result can be achieved by leveraging the storage in the new 12ML reservoir and using this capacity to eliminate pumping in the peak period altogether.

ChargeWorks recommends that battery storage at other CTW sites will yield a superior financial return and that solar PV alone at this site is an appropriate choice.

Proposed System Specifications

ChargeWorks has prepared a corresponding design and specification for this site in a separate document. A summary of the proposed system is as follows:

- 99.9kW ground mounted solar PV system
- Solar inverters with a minimum of 80kW continuous output

Business Case

The business case for the Carcoar WFP is strong because solar PV is highly utilised and solar PV is relatively inexpensive to install.

The table below summarises the business case based off indicative quotes from the market.

Project	Cost	Annual Savings	Simple Payback
Solar PV 99.9kW	\$114,142	\$18,221 p.a.	6.2 years
Tariff Optimisation	\$0	\$12,984 p.a.	-
TOTAL	\$114,142	\$31,205	3.7 years

Lake Rowlands Dam

Lake Rowlands Dam is a candidate for an 80kW solar PV system in conjunction with a 62kWh/ battery. The annual energy consumption of this site varies greatly depending on the water demand of a particular year. In wet years, such as 2021, there is less demand for water and therefore less energy required for pumping.

Site	2018 Annual Consumption	2019 Annual Consumption	2020 Annual Consumption	2021/2022 Annual Consumption
Lake Rowlands	430,628	386,720	283,828	179,566

Lake Rowlands is about to roll-onto to the BLND3AO tariff, beginning July 2022. The BLND3AO tariff is reserved for sites which use more than 160MWh p.a. and incorporates capacity charges determined by the maximum power demand of the site each month. Installing an 80kW solar array will reduce the demand from the grid and depending on the year may reduce the total consumption below 160MWh.

The table below shows the impact an 80kW solar system would have had at Lake Rowlands over the past 3 years.

Site	2019 Annual Consumption	2020 Annual Consumption	2021/2 Annual Consumption
Total Consumption	386,720	283,828	179,566
Solar Consumption	82,218	63,718	75,888
Grid Consumption	304,502	220,110	106,178

ChargeWorks expects that this site will remain on the BLND3AO tariff from 2022 unless there is sustained years of lower usage. The business case for this site has been based on the site remaining on the BLND3AO tariff.

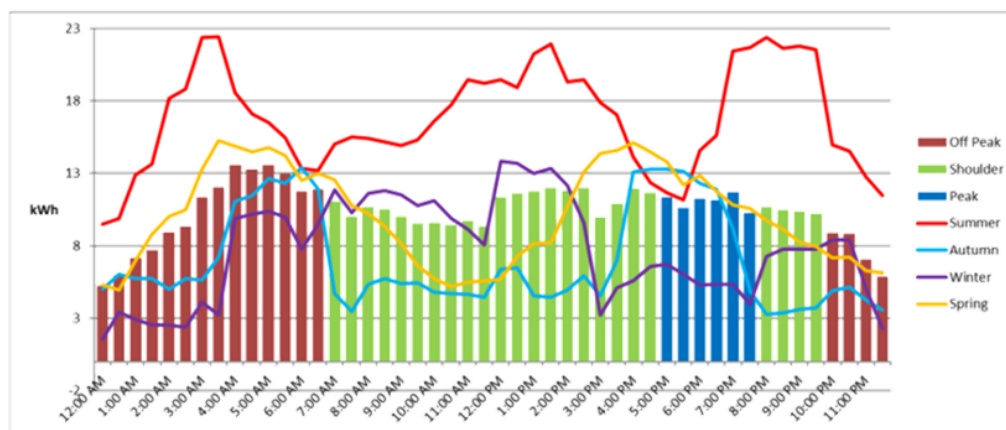


Figure 5: Lake Rowlands Typical Daily Load Profile

Tariff Optimisation

The tariff structure at Lake Rowlands provides an opportunity for significant savings in demand charges.

Central Tablelands Water has recently replaced one of the two-140kW pumps at Lake Rowlands with a 55kW pump whilst maintaining the original variable speed drives. Since the 55kW pump was installed, the station continued to run using the 55kW pump and as such the typical maximum site load is only 50-60kW. The maximum site load over the past 12 months was 130kW. This spike occurred on the 8th of February 2022, when the 140kW pump was used to flush the Trunk Main feeding Blayney Water Treatment Plant.

CTW advised that they will replace the remaining 140kW pump with another 55kW pump and modify the pump station control system to allow both 55kW pumps to run in parallel, thus maintaining the ability to provide these intermittent high flows, as and when required.

The graph below shows three example daily load profiles in comparison to the average power output of an 80kW solar system.

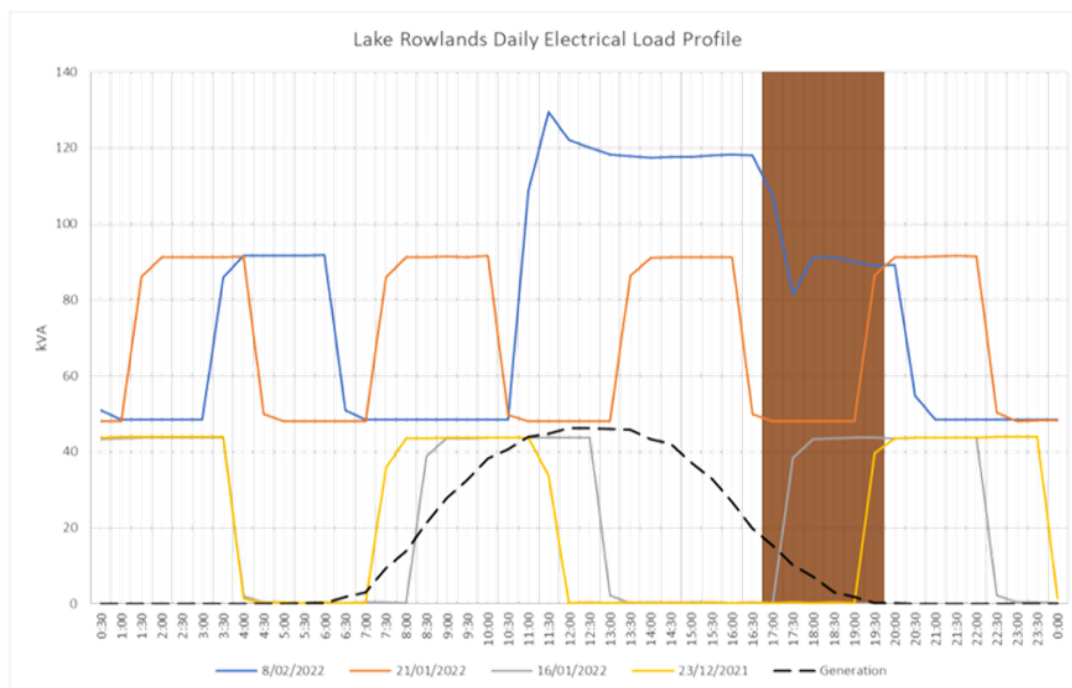


Figure 6: Lake Rowlands - Daily Load Profiles

The very-high peak loads suggest that peak lopping will be very difficult at this site using battery storage alone, but could be addressed using a combination of pump control and battery storage.

The existing high demand charges can be reduced by either:

- Operating **only one 55kW pump** between **5pm and 8pm on weekdays**, saving up to \$506 p.m. (\$6,072 p.a.)
- **Eliminating all pumping** in this period saving up to of \$931 p.m. (\$11,172 p.a.)



Solar PV

Lake Rowlands Dam is a candidate for an 80kW ground mounted solar PV system to be located on the grass between the road and dam wall.

This system will be connected to the existing main switchboard in the pump shed.

This solar PV and the pumps should be supported by a 61kWh battery to be located in an enclosure adjacent to the pump shed which will take-up any intermittent mismatch between generation and consumption.



Figure 7: Lake Rowlands - Indicative Solar PV Location

A 600mm deep trench will be required to facilitate the cable run between the solar array and the inverters. This cable run will be approximately 45m long.

The system should be configured to use the in-built features of Fronius brand solar inverters such that sustained excess solar triggers the closure of relay contacts.

This relay should be wired into Central Tableland Water's monitoring system as the feedback mechanism to initiate pumping.

Battery System

The 61kWh battery will be charged by excess solar and discharge in periods where the site consumption exceeds generation. This will allow the site to maintain a more consistent pumping schedule throughout intermittent generation.

The proposed system will be coordinated by a SwitchDin Droplet device that monitors site consumption and generation and coordinates all connected devices.

In the example site below, the battery charges in the morning, then once full, the site exports excess solar energy to the grid. Late in the day there's a small consumption excess that the battery covers to avoid any consumption from the grid.

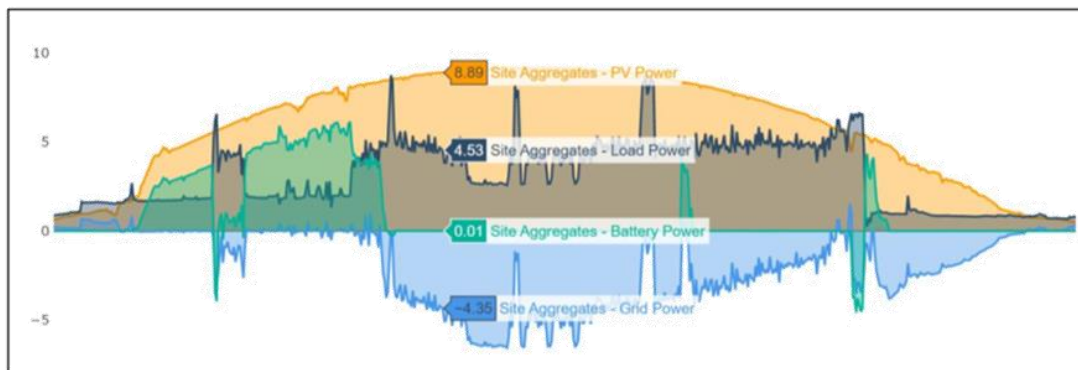


Figure 8: Example Site - SwitchDin Online Monitoring

The system can be optimised in line with the pumping schedule to get the most out of the battery. Ideally, the battery will cycle more than once each day to maximise value. The system can be easily reconfigured over time as pumping schedules change, and together with the in-built Fronius relays, ensure that pumping is smooth, yet reactive to available solar.

Inverters

The solar and battery system will be integrated with a hybrid inverter system. This reduces the number of components and brings down the cost of install and maintenance.

ChargeWorks recommends that CTW install 6 x [Fronius GEN24](#) hybrid inverters, yielding a total 60kW continuous output.

Proposed System Specifications

ChargeWorks has prepared a corresponding design and specification for this site in a separate document. A summary of the proposed system is as follows:

- 80kW Solar PV system – 200 x 400W panels ground mounted
- 6 x Fronius Gen24 Hybrid Inverters (10kW each)
- 6 x BYD HVS 10.2
- SwitchDin Droplet

Business Case

The business case for Lake Rowlands Dam is supported by a strong financial return from solar PV but has a relatively poor business case for batteries. The batteries, however, will provide more seamless operation and smooth out intermittencies in solar generation.

The table below summarises the business case based off indicative quotes from the market.

Project	Cost	Savings	Simple Payback
Solar PV 80kW	\$87,131	\$14,288	6.1 years
Battery 61kWh	\$99,885	\$2,669	37.4 years
Sub-Total	\$187,016	\$16,957	11.0 years
Tariff Optimisation	0	Up to \$11,172 p.a.	-
TOTAL	\$187,016	\$28,129	6.6 years

Canomodine Transfer Pump

ChargeWorks proposes that CTW install a 40kW solar system in conjunction with a 46.2kWh battery.

This configuration is essentially a half-size version of the system described above for Lake Rowlands. This battery will be sufficient to provide approximately 1.5 hours of ride-through in periods of low solar generation.

Canomodine Transfer Pump consumed 46.3MWh of energy from the grid in 2021-22 with substantially lower energy demand in the cooler months of the year.

Based on the average load profile, CTW appears to favour night time pumping:

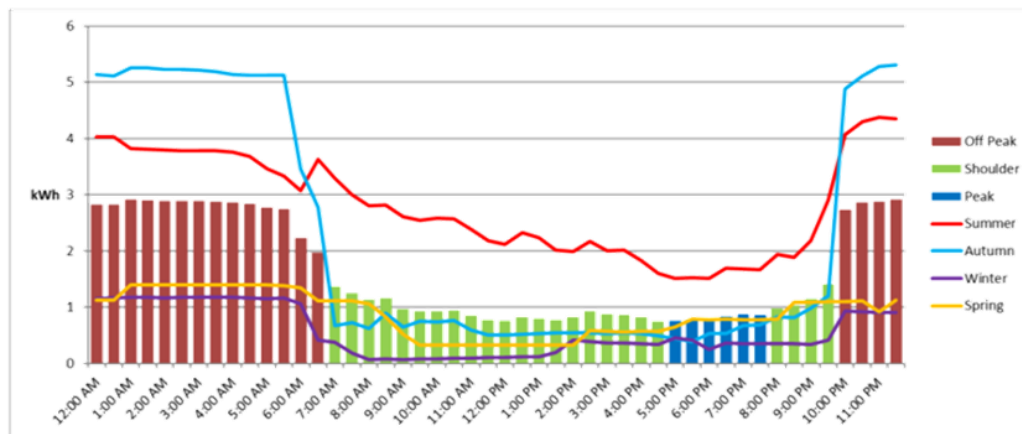


Figure 9: Canomodine Transfer Pump - Average Daily Load Profile

Tariff Optimisation

This site is currently on the BLNDTRS transitional demand tariff, however, due to the low annual consumption, this site is eligible for a change to one of the following tariffs:

- BLNT2AL – higher energy rates, no capacity charges
- BLND1AB opt-in demand tariff – low energy rates, Peak capacity charges 5pm-8pm

The graph below shows four example daily load profiles at Canomodine Transfer Pump:

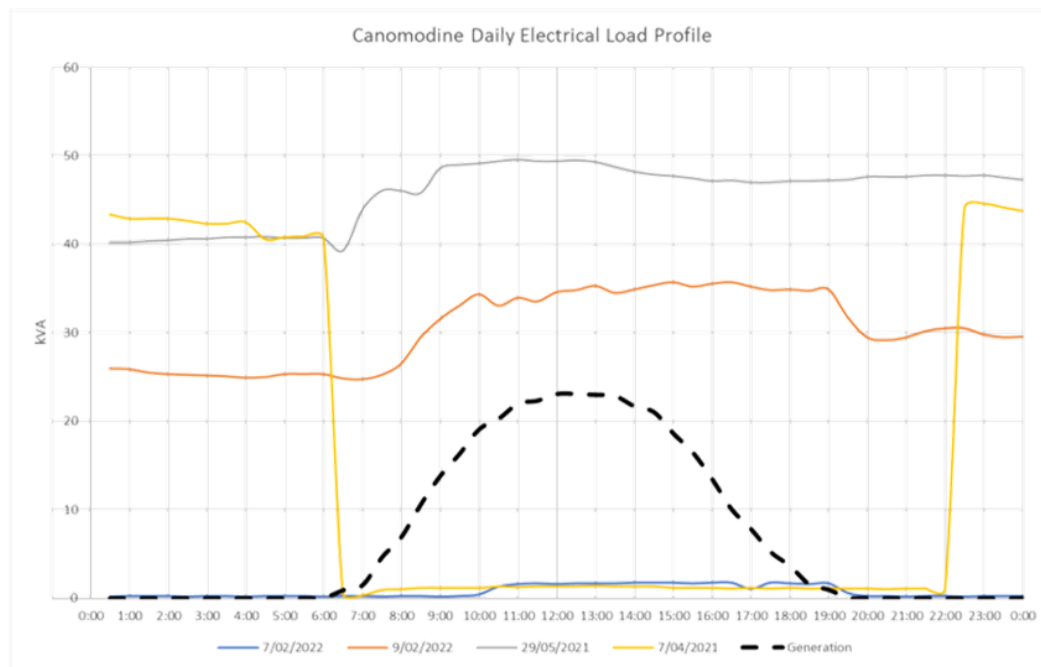


Figure 10: Canomodine Transfer Pump - Daily Load Profiles

We can see in this graph that there are several days with a near-zero baseload but at other times maximum demand for the site can be as high as 50kW.

Under the current pumping schedule, the BLND1AB tariff will yield higher total cost due to the high peak demand charges (50kVA). The predicted cost savings of each tariff are as follows:

- BLNT2AL - \$3,200 p.a.
- BLND1AB - \$2,600p.a.

By using the battery and modifying pumping schedules, CTW can eliminate the peak demand charges altogether.

Total annual savings of **\$5,800** are achievable under the BLND1AB tariff.

Solar PV

The current pumping schedule is sub-optimal for solar PV, as much of the pumping currently done at night. Once solar PV is installed, ChargeWorks recommends that CTW shift all pumping to daytime hours to match solar generation.

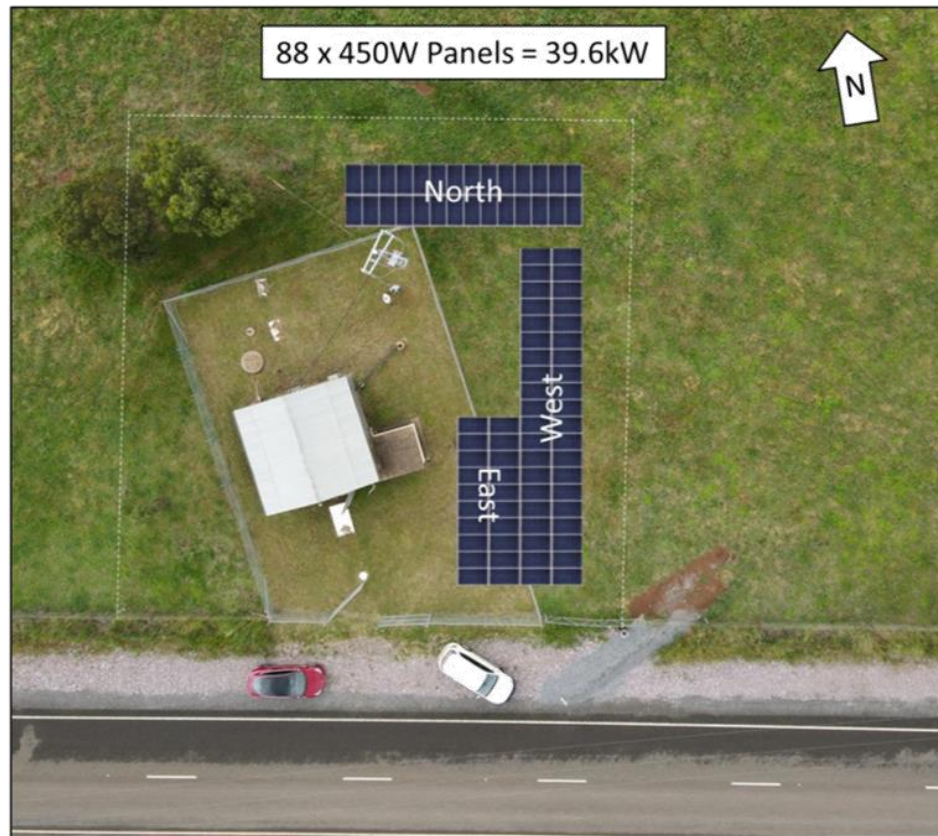


Figure 11: Canomodine Transfer Pump - Indicative Solar Layout

The existing fence should be removed and installed at the property boundary.

The extra space will enable a 39.6kW ground mounted solar array in a North + East + West facing configuration. ChargeWorks recommends that the East/West array are installed in a 'V' configuration to avoid shading and allow access for lawn mowing under the array.

As above, the system should be configured to use the in-built features of Fronius brand solar inverters such that sustained excess solar triggers the closure of relay contacts.

This relay should be wired into Central Tableland Water's monitoring system as the feedback mechanism to initiate pumping.

Battery Storage and Inverters

The batteries and hybrid inverters should be installed underneath the northern array in a dedicated enclosure. This will shield the components from the sun and minimise cabling.



Figure 12: Inverter + Battery Enclosure Under Solar Array

Proposed System Specifications

ChargeWorks has prepared a corresponding design and specification for this site in a separate document. A summary of the proposed system is as follows:

- 39.6kW Solar PV system – 88 x 450W panels ground mounted
- 3 x Fronius Gen24 Hybrid Inverters (10kW each)
- 6 x BYD HVS 7.7kWh – 30kW Output
- SwitchDin Droplet

Business Case

Similar to Lake Rowlands, the business case for Canomodine transfer pump is supported by the solar PV component of the system.

The table below summarises the business case based on existing loads (2021-2022)

Project	Cost	Savings	Simple Payback
Solar 40kW	\$48,401	\$3,026	16 years
Battery 46.2kWh	\$73,822	-\$208.19	-
Sub-Total	\$122,223	\$2,817	43.4 years
Tariff Changes	0	Up to \$5,800 p.a.	-
TOTAL	\$122,223	\$8,617	14.2 years

This could be markedly improved by optimised pumping in daylight hours. Assuming CTW can achieve 50% self-consumption of energy generated on site, the following financial outcomes can be achieved.

Project	Cost	Savings	Simple Payback
Solar 40kW	\$48,401	\$5,391	9.0 years
Battery 46.2kWh	\$73,822	\$1,208	61.0 years
Sub-Total	\$122,223	\$6,599	18.5 years
Tariff Changes	0	Up to \$5,800 p.a.	-
TOTAL	\$122,223	\$12,399	9.9 years

Summary and Recommendations

ChargeWorks recommends that Central Tablelands Water proceed to:

- Confirm budgeting for the three sites as follows:
 - Carcoar Water Filtration Plant - \$114,142
 - Lake Rowlands Dam - \$187,016
 - Canomodine Transfer Station - \$122,223

Total project budget - \$423,381

- Issue a Request for Quotation (RFQ) to suitably qualified Contractors to verify installation cost
- Implement, in order of priority:
 - 1) Carcoar Water Filtration Plant (3.7 year payback)
 - 2) Lake Rowlands Dam (6.6 year payback)
 - 3) Canomodine Transfer Station (9.9 year payback)

ChargeWorks has prepared a corresponding design and specification for the systems identified above.

Please refer to this documentation for issue to contractors subject to budgetary approval.

13. QUESTIONS ON NOTICE

(General Manager)

No questions on notice were received.

ATTACHMENTS

Nil

14. CONFIDENTIAL MATTERS

RECOMMENDATION:

That, as the business for the Ordinary Meeting has now concluded, Council Proceed into Committee of the Whole to discuss the items referred to in the report

14.1) CARCOAR WATER TREATMENT PLANT 12ML CLEAR WATER TANK (LS.CO.1)

This matter is considered to be confidential under Section 10A(2) (c) of the Local Government Act, as it deals with information that would, if disclosed, confer a commercial advantage on a person with whom the Council is conducting (or proposes to conduct) business.