

# Nogoa Mackenzie Irrigation Advisory Committee

**Date:** Wednesday 31 July 2024

**Time:** 11:00 - 13:00

**Location:** St Luke's Anglican Church Hall, 40 Theresa St, Emerald QLD 4720

**Attendees:** Robert Ingram, Neek Morawitz, Neville Brownlie, Matthew Barnes

**Representing customers:** Dan Pymble, Peter Galea, Ross Burnett, Misha Grayson, Tayla Cairns, Jenn Kellett, George Sypher

**Sunwater representatives:** Bailey McBeth Cooper (BM), Kylie Thompson (KT), Jesse Barratt (JB)

**Apologies:** Nigel Burnett, Dion Roberts, Les Fluerty, Emma McCullagh and Hamish Millar

## Minutes:

Agenda items		
Item no.	Item	Presenter
1	Meeting open	Bailey McBeth Cooper
2	Selma Pump Unit 1 Condition and ongoing monitoring	Bailey McBeth Cooper
3	Announced Allocations and Carryover Cap for FY25	Bailey McBeth Cooper
4	Existing PCM Program for FY25	Bailey McBeth Cooper
5	CAC Membership Review	Bailey McBeth Cooper
6	General business	Bailey McBeth Cooper
7	Meeting close	Bailey McBeth Cooper

## 1. Meeting open

- Meeting open and welcome
- Acknowledgement of Country

## 2. Selma Pump Unit #1 Condition and ongoing monitoring

### 2.1 Update on Selma Pump Unit #1 Condition

- Noise had been noted from Pump Unit #1 through the early part of 2024 - this prompted investigation of the pump unit to determine the cause.
- Based upon initial understanding of run out and observed noise, Sunwater engaged a suitable contractor to plan to remove Pump Unit #1 to allow for a condition assessment, overhaul and re-commissioning.
- Sunwater also engaged with SKF and Sunwater's Internal Reliability team to undertake further investigation. Upon completion of the investigation, it was found that the observed noise was not related to the pump unit itself, however, was caused by vibration of the rotork due to resonance from the pump arrangement.
- Minor repairs are being undertaken to the above waterline components including the replacement of gland packing, replacement of coupling rubber and pins, and a suitable support for the rotork.

### 2.2 Update on Selma Pump Unit #1 Monitoring

- Sunwater is currently investigating the option of installing wireless vibration monitoring on the three pump units to allow for real time vibration monitoring of the pump and motor units to better understand condition and identify issues if they are occurring
- The exact approach has not been confirmed however may consist of three sensors on each pump and motor unit these being drive, non-drive and top of pump.
- A similar system has been used at other pump stations, which has optimised monitoring of the pump units.

## 3. Announced Allocations and Carryover Cap for FY25

- BM advised Current Announced Allocations – Effective 01/07/24
  - High Priority 100%
  - Medium Priority 30%
  - Carryover Cap – 150,000 ML

- Member asked if Medium Priority would be revised. Sunwater noted that at this point in time, no revision is planned.
- Member enquired why there was a delay in billing and meter reads. Sunwater informed that it was due to wet weather conditions in the region and completion of Meter Maintenance Requests which are used for updating details for meters once they are replaced/repared.

#### 4. Existing Planned Corrective Maintenance Program for FY25

4.1 Sunwater discussed seven projects to be completed in FY25 for Nogoa Mackenzie. Total budget approx. \$1,991,542.00

Fairbairn Dam – study, investigation and CRA Dam Safety Critical Risk Assessment for Fairbairn Dam	\$306,652.00
Fairbairn Dam – Repair/Reinstate river-bank erosion downstream Fairbairn Dam. Undertake repairs for erosion which occurred downstream of Fairbairn Dam in the Nogoa River Channel, to meet ROL requirements and other legislation.	\$325,927.00
Recreation facilities upgrade project – funded by government	\$296,306.00
Bingegang Weir – Installation of steel flow splitters on weir crest too reduce noise and vibration caused by the weir during spill events.	\$140,938.00
Fairbairn Dam – replace safety buoys, anchors and shore fixings	\$136,301.00
Nogoa Supply – ARC Flash Program, ongoing program of works to investigate and reduce arc flash risk posed by various assets.	\$121,771.00
Smart Metering Implementation Program – Replacement of aging meters with new meters with back-to-base capability.	\$118,522.00
Remaining projects include Spillway Study, Instrumentation, Vacuum Pump LB Siphon, Refurb Release Gate Bedford Weir, Replace Buoys Bedford Weir, Tartrus Replace Trash Screens, Removal/Refurb Power Poles, Selma Channel Inlet Gate Refurb, Study Remote Actuation Tartrus, Study Bingegang Low Level Valve Replacement, Refurb handrails and ladders Bedford, Refurb Baulk and Storage Rack Tartrus, Update control and electrical drawings Right Bank Tower and Selma Gatehouse.	\$545,125.00

#### 4.2 Existing Planned Corrective Maintenance Program Selma Pump Station- FY25

Replace Trash Racks – Replacement of racks based on condition and age. Completed during July outage.	\$111,220.00
Replace SE07, SE08 and SE09 PUN 3.3kv Power Factor Capacitors – Replacement of units based on age and condition. Due to lead times, works likely to occur July 2025.	\$43,738.00
Arc Flash Program – ongoing program of works to investigate and reduce arc flash risk posed by various assets.	\$40,771.00
10-year HV CT/VT Testing at Selma Pump Station. National Electricity Rules (NER) state there is a requirement to ensure CT/VTs have a valid test certificate. High voltage CTs/VT equipment must be tested for accuracy every 10 years.	\$17,324.00
Replace SCADA Computer	\$17,324.00

- Member asked about costs of works and inquired about quoting procedure. Sunwater gave information about process and stated that most works estimated at over \$50,000 require two quotes before determination.
- Sunwater procurement policy requirements for works over \$50,000.00 requires two quotes. SCI budgets noted may be based upon replacement estimates in Sunwater's asset management system or from contractor quotes depending on the project type.

## 5. General Business

- Sunwater notes this will be the last IAC meeting the next meeting to be held in October will be a CAC. Nominations for new members of the CAC have been submitted.
- **Sunwater action:** Member asked if Sunwater would be attending QCA
- **Completed:** Sunwater will have representation at QCA Workshop on the 22/08/2024
- **Sunwater action:** Member enquired around the frequency of Critical Risk Assessments
- **Completed:** Typically completed every 10 years, however will also be completed if there are any material changes.
- **Sunwater action:** Member asked for information to be shared regarding the Water Plan Review and Regional Water Assessment
- **Completed:** Resources/information is available through the DRDMW Websites: [Regional Water Assessment Program](#) and [Fitzroy Basin Water Plan](#)
- **Sunwater action:** Member enquired around number of meters currently not working
- **Completed:** 11 irrigation meters currently not working, noting some meters have an unknown status due to limited/no usage also this doesn't include Stock and Domestic meters. With 16 meters having been replaced as part of the Meter Replacement Program that have been validated and working.

## 6. Meeting close

- Proposed next meeting date: October 2024. Day to be confirmed.
- Meeting close 11:50am

## 7. Approval and review

Chair:	Bailey McBeth Cooper
Minutes:	Misha Grayson
Date:	31 Wednesday July 2024