

**Date:** Wednesday, 06 April 2022

**Time:** 9:00AM

**Location:** Microsoft Teams

**Attendees:**

**Chair:** David Hayes (Sunwater, Operations Manager North)

**Committee Members:** Greg Watson, Mario Barbagallo, Ian Davies, Rob Milla, Dean Sgroi, Russ McNee, Lyn McLaughlin (Burdekin Shire Council Mayor), Sharon McIntosh (Policy Advisor, Water, Queensland Farmers Federation)

**Sunwater representatives:** Manesh Magan (Customer Engagement Lead), Fiona Salter (Project Manager, Program Delivery Clare), Melissa Lascelles (Energy Advisor)

**Apologies:** Robert Stockham, Arwen Rickert, Chris Johnson, Dave Paine, David Satori, Evan Shannon, Jayson Dowie, Panikos Spyrou, Peter Hall, Ricky Mio, Sib Rapisarda, Steven Pilla

**Minutes:**

Agenda items		
Item no.	item	Presenter
1	MEETING OPEN	David Hayes
2	DEWATERING SOLUTION	Fiona Salter
3	BURDEKIN DISTRIBUTION ENERGY AUDIT	Melissa Lascelles/Karl Fuss
4	GENERAL BUSINESS	David Hayes
5	MEETING CLOSE	David Hayes

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## 1. Meeting Open

[Agenda item 1]

- Apologies
- Confirmation of updated meeting frequency (bi-monthly)
- Confirmation of action items from previous meeting:
  1. Sunwater edited and circulated meeting minutes from QWMO consultation
  3. Sunwater circulated scheme overview booklet, "Tour of the Burdekin"
  4. Sunwater responded to Customer Advisory Committee (CAC) query regarding the Great Barrier Reef funding:
    - The environmental team have advised there are no plans currently, but we will consider options. These grants are generally aimed at landholders and managed by the regional Natural Resource Management (NRM) groups. Sunwater could partner in catchment management activities if the opportunity arose.
  6. Sunwater responded to request for information regarding the Water plan review:
    - The Burdekin Basin Water Plan expires in September 2023. A decision by the Department of Regional Development, Manufacturing and Water (DRDMW) has yet to be made with the options to replace or extend to 2027 available.

## 2. Dewatering Solution

[Agenda item 2]

- Sunwater presented Appendix A and Appendix B

### 2.1. Lower Burdekin Groundwater Strategy – Dewatering solution

[Agenda item 2 additional points]

- Sunwater presented [Appendix A – Aerial photograph – Groundwater Extraction Location](#)
- Sunwater presented [Appendix B – Drawing of Ground Water Extraction bore](#)
  - Sunwater advised that there is no formalised outlet structure to the solution, it is only in the trial phase.
  - During the trial, Sunwater will monitor the aquifer to determine surrounding aquifer impact from the bore.
  - Trial site has been constructed in an established wetland, which should remove the nitrates before the water enters the natural waterway.
  - The bore will operate on solar and only pump during daylight hours, when the water reaches a specific height and quality.
  - When the nitrate levels are high, the water will cease pumping.
  - Sunwater will have an update to deliver in June, which will be publicly available.

### 2.2. Questions and feedback

[Agenda item 2 questions and feedback from the CAC]

- The CAC advised that their members are currently conducting similar studies in the area included in the Aerial photograph. There is a small solar pump to keep the groundwater levels down. It was noted that the dark patches are established survey spots.
  - Sunwater advised that due to these sites being on private property, they could not be accessed.

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- The CAC confirmed that they would allow Sunwater access to the sites.
- The CAC queried why the monitoring was only being done for two months.
  - Sunwater advised that this deadline is only for the innovation funding, the monitoring will go for a number of years.
- The CAC queried what Data Sunwater has from further down in the system.
  - Sunwater advised that DES have a program where that have put in automation sensors in the Barrata system. This is based online and visible publicly. Link to the data: <https://wq.1622.farm/#>

### 3. Burdekin Distribution Energy Audit

[Agenda item 3]

- Sunwater presented from slide pack and SAP dashboard

#### 3.1. Burdekin Distribution Energy Audit presentation

[Agenda item 3 additional points]

- Sunwater presented from slide pack, from the Burdekin Distribution Energy audit.
- Sunwater presented electricity consumption, electricity performance indicators and electricity distribution, from the SAP dashboard.

#### 3.2. Questions and feedback

[Agenda item 3 further information]

- The CAC noted that the data presented was very good to see.
- Were the figures presented for the solar opportunity inclusive of government rebates? Can they be shaved down with this inclusion?
  - The study is high-level and has only been completed at Tom Fenwick pump station. Sunwater advised that no grants have been considered. The indicative costs were for a 5MW system which did not include additional costs such as land (2.5ha per 1MW required) as well as network connection i.e.; transmission lines. Battery storage was also considered however is cost prohibitive at this time.
  - Sunwater continues to investigate smaller solar photovoltaic (PV) solutions at other pump stations and is currently reviewing investment guidelines prior to progressing.
  - Sunwater is focusing on continuous improvement for data driven decisions which the electricity dashboard will provide. Projects are underway to improve data from flow meters and automate to the dashboard for trending when reviewing energy performance indicators
  - CAC requested SAP dashboard snippet.

### 4. General Business

[Agenda item 4]

- Next meeting to take place in the first week of June.
- CAC would like and agenda item to review Scheme Rules & Targets.
  - Sunwater advised that these are undergoing internal reviews and next steps will be to consult with the CAC.
- The CAC requested for someone from DRDMW attend the next meeting, to present on the dewatering solution.

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5. Meeting Close

6. Approval and Review

Chair:	David Hayes (Operations Manager North)
Minutes:	Emily Caleo (Customer Experience Support)
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