

This is a high-level summary of the meeting for PDRG members to share with their networks. It provides a summary of agenda items, discussion points, and meeting actions.

Agenda Item	Discussion Points
Welcome, Acknowledgment of Country, Introductions	<ul style="list-style-type: none"> • Welcome and Acknowledgment of Country provided by the Chair (Cameron Milliner from Sunwater, as Renée Madsen was unavailable for this meeting). • Attendance by Minister Glenn Butcher and Glenn Stockton, Sunwater CEO acknowledged noting they are available until 10.30am.
Paradise Dam Improvement Project (PDIP) Update	<ul style="list-style-type: none"> • Glenn Stockton, noted his personal appreciation for member attendance at short notice and acknowledged the attendance of Minister Butcher and Tom Smith, MP. • The importance of Paradise Dam to the community is understood and Sunwater and has been working tirelessly to bring Paradise Dam back to its original full supply level to provide long-term water security. • Paradise Dam is a compromised asset. Through the design process new concerns have been identified with the quality of the concrete and this has led to the recommendation to build a new Paradise Dam wall immediately downstream. • Glenn Stockton advised that an alliance has been formed to deliver the new dam wall project. CPB Contractors and Georgiou Group are the construction partners, and GHD is the ongoing design partner. Sunwater intends to move forward as quickly as possible and will continue to progress road upgrades, design and approvals and construction methods. Sunwater is focussed on the future and ensuring a safe asset that delivers water security. • Minister Butcher confirmed government is committed to the new dam wall and returning the original capacity. He noted that the project has the full support of government, including Premier Miles. The Federal Water Minister has also agreed to support the water security of this community into the future. The new dam wall will take longer to start work on that had been anticipated, but we need to make sure we get this right and get an asset that will provide security for 100 years. Minister Butcher said it's important to get the detailed business case done as quickly as possible, but we don't want to rush this project and get it wrong. He advised he is here today to support the press announcement and reconfirm the Queensland Government's commitment to this group. • Tom Smith stated that it's important that we are taking the right safety measures and enabling investment to grow into the future. He said this is a line in the sand, we will move forward making sure we are keeping people and industry safe in this community. He thanked Sunwater for its ongoing efforts. • Glenn Stockton confirmed that Sunwater will continue to operate Paradise Dam at its current level through this process to supply water to our customers. • Sunwater explained how Paradise Dam can be compared to the other 900 roller compacted concrete (RCC) dams constructed around the world. It is in the lowest one percentile of cementitious content in its concrete mix. Concrete generally gains strength over time, but what we are finding with Paradise is that it is losing strength over time. • Sunwater explained that the low cementitious content has contributed to three new issues identified with the dam: Swelling clay, Cement leaching and Carbonation. • Sunwater explained these three mechanisms are extremely unique, and not usually tested for. A bespoke testing program has been developed to understand these issues with input from a range of Australian and International experts. • Sunwater advised that the existing dam would act like a coffer dam and will be maintained for that purpose throughout construction. The alliance will work through options and costs from engineering perspective and determine the level it will be taken to that doesn't impact hydraulic performance of the new wall. It is likely that the left abutment and secondary spillway will be lowered to the lowered level of the current primary spillway. • The new concrete issues do not change the dam failure risk achieved by the Essential Works, the dam is fundamentally safe, and we could expect it to be so for several decades, but it is clear there will be a loss of concrete strength over time. It is difficult to determine timeframes for strength loss, but it is clear we don't have confidence to build the reference design (buttress) on the existing asset and have confidence in it for 50-100 years.

Agenda Item	Discussion Points
	<ul style="list-style-type: none"> • Sunwater will work through design and construction methods with the alliance partners and progress the detailed business case and approvals, we do not have firm timeframes at this stage. • Both federal and state approvals will be required for the new dam wall. A new referral will be required under the Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act), and a streamlined EIS process is anticipated, given the upstream impact is the same, there is no new land inundation. • The new dam will have 300,000 ML capacity and there is no plan to increase that as the demand assessment does not indicate that is required. • Stage 1 of the alliance is focussed on design and cost development and Stage 2 on construction and commissioning of the new dam and partial demolition of the existing dam • Stage 1 of the alliance process is to work through scoping activities and planning for construction methodologies. The new dam wall presents the opportunity for efficient construction, but every dam is bespoke, and we need to do more work to understand timeframes. • Work will progress on quarry and geotechnical investigations, native title, cultural heritage work, environmental approvals, road upgrades etc. • \$3.5 M has been allocated for a detailed business case to develop a staged approach to address constraints and expansion opportunities in the Bundaberg irrigation network. This work will be conducted by another team in Sunwater, with works to be sequenced to occur in parallel with dam construction. • Sunwater has no plans to change the water-sharing rules that have quarantined unsold water. Options around water sales will need to be worked through with customers again. Sunwater will continue to work through options with customers as the new dam wall project progresses.
Other business	<ul style="list-style-type: none"> • Bree Watson has been pre-selected as the LNP candidate for this year's State government elections. Sunwater has invited elected representatives to attend PDRG meetings as observers. Sunwater has asked Bree to consider actual and potential conflict of interest in relation to her role on the PDRG. Bree Watson has provided a reply to Sunwater about how that can be managed. Bree advised she is participating in the PDRG in her role as CEO of BFGV and said she welcomes feedback from members if there are any concerns. An action item will be included on the next agenda to seek confirmation the group is comfortable.

Timeline for recent & upcoming PDIP activities:

Upcoming activity targets	Timing
Concrete mix trials	Underway
Further geotechnical investigations	Underway
Paradise Dam Road upgrades	Construction commenced January 2024 – complete by end of 2024, weather permitting
Alliance formed	January 2024
Design for new dam wall	Underway
Detailed business case for new dam wall	Underway
New Degilbo Creek Crossing Bridge	Design progressing
Tender for upgrades at the intersection of Bruce Highway and Booyal-Dallarnil Road	Tenders released in December 2023 and close in late February 2024

Actions noted at this meeting and pending from the previous meeting:

Action	Responsibility	Status
July22#2	Prepare a brief summary of each meeting that members can share with the groups they represent	Sunwater Ongoing
Jul22#4	Share results of the next rounds of environmental monitoring with interested parties once available	Sunwater Pending

Action	Responsibility	Status
Jul22#9	Discuss public viewing opportunities and options to enable transparency during site works with the PDRG prior to works commencing on site	Sunwater Pending
Nov22#2	Sunwater to ensure that potential road alignment considerations are shared in discussions with Traditional Owners regarding cultural heritage.	Sunwater Ongoing
Nov22#8	Sunwater to consider recreation legacy options in consultation with NBRC as the project progresses.	Sunwater Pending
Feb23#4	Sunwater to share BBRWA findings with the PDRG as available	Sunwater Pending
Feb23#7	The Chair and Sunwater to organise for member presentations to commence	Chair, Sunwater Ongoing
June23#1	Sunwater to provide information about TRP membership	Sunwater Pending
June23#2	Sunwater to share photos and videos of the 2D and 3D models as they are developed.	Sunwater Pending
June23#3	Sunwater to speak with DSDILGP and seek information that can be shared with the PDRG about the co-ordination of major projects in the region and how opportunities for regional social benefit are maximised	Sunwater Pending
June23#4	Sunwater to arrange for the selected construction partner to share information about strategies around local training and apprenticeships.	Sunwater Pending
Jan24#1	Sunwater to share summary draft BBRWA findings with information about channel upgrades	Sunwater Shared with draft meeting minutes 29/1/24
Jan24#2	Sunwater to share communications to and from Bree Watson regarding potential conflict of interest.	Sunwater Shared with draft meeting minutes 29/1/24
Jan24#3	Agenda item at next PDRG meeting to seek confirmation regarding approach to potential for conflict of interest.	Sunwater Pending