

Meeting Name

Project Name	Kangaroo Island Long Term Water Supply Plan review					
Purpose	Reference Group Meeting #6					
Date	19/04/2018	Time	6:00 pm			
Meeting No.	6	Frequency	Monthly			
Facilitator	Aaron Glossop	Minute Taker	All			
Venue	Kangaroo Island Council office, Kingscote – Meeting Rooms 1 & 2					
Attendance Ab = Absent Ap = Apologies P = Present	Mike Greig (MK)	P	Andy Young (AY)	Ap	Andy Boardman (AB)	Ap
	Catherine Murphy (CM)	P	Jayne Bates (JB)	P	Sue Florance (SF)	P
	Pierre Gregor (PG)	P	Graham Walkom (GW)	P	Graeme Connell (GC)	Ab
	Kevin Pratt (KP)	Ab	Tony Nolan (TN)	Ap	Fraser Vickery (FV)	Ap
	Damien Cooke (DC)	Ap	Peter Davis (PD)	P	Daniel Pledge (DP)	P
	Haydon Wilkins (HW)	P	Gavin Ralston (GR)	Ap	Richard Trethewey (RT)	Ab
	John Owens (JO)	Ab	Tara Hage (TH)	P	Erin Faehrmann (EF)	P
	Sandy Carey (SC)	Ap				
Distribution Excluding invitees	Wendy Campana (WC)					

1 Welcome to Country

We acknowledge and respect the traditional custodians of the land on which we meet. We appreciate and thank them for their care of this land.

2 Welcome and Apologies

Aaron (AG) welcomed all representatives and introduced SA Water staff in attendance.

AG acknowledged the members who couldn't make it to the meeting and provided their apologies.

The agenda for the meeting was outlined on the PowerPoint presentation.

3 Minutes of the previous meeting

AG sought any feedback to the draft minutes that were distributed after Meeting #5. No changes were needed and all agreed to ratify those minutes as accurate. The minutes and the agenda from Meeting #5 will be uploaded onto SA Waters website.

4 Review of action items

The current action items were explained and AG advised that a number of actions had been completed and a number remain ongoing.

The CFS form has been located however how to submit is still unknown. SA Water is seeking advice from MFS and CFS regarding this action.

Discussion with Andy Young will occur with Erin Faehrmann and work on a newsletter has begun and is nearing completion.

5 Agenda items

5.1 Recap of process and our 5 options

Haydon (HW) gave a high level overview of the options.

Base case

We've also included an assessment of "Base case" which is to continue largely with the systems as they are now, which in 20 years will be inadequate to meet demand. Therefore, it is considered that this is not a viable long term option.

1. Expand Penneshaw to serve the whole island

Graham (GW): Sought to understand if there were some concerns around the marine environment impact of expanding desalination to this higher capacity. Preliminary analysis conducted so far indicate that it is low risk and detailed modelling would be undertaken to validate should we progress with this option.

Mike (MG): What is the renewable energy / energy assumption: All options assessed assuming 'grid power', and then a second set of estimates have been run assuming all renewables (solar PV as the scenario but other renewable options may become available in future).

There was a possible location suggestion of Pennington bay / South Coast and Stokes Bay for the desalination (SM), however, it was explained that this is complex from a construction point of view due to the ocean topography and sensitive environments.

2. New source – desalination to meet all the MR demand

The installation costs of the 3 phase power have been included in the cost estimates.

3. New source – desalination to supplement existing Middle River supply

Dan (DP) asked: What is the difference between the on-going costs of desalination and the on-going costs of operating Middle River system? - Not a significant difference due to the complex treatment processes on the Middle River system.

Jane's (JB) query: Why would we keep Middle River as it is so challenging to treat due to the tannins etc? – It was explained that we aim to utilise our existing assets as much as possible. The existing challenges have influenced the ranking of the options.

4. New raw water storage – MR

4a) Upgrade MR reservoir:

The impact on the native vegetation due to dam wall expansion would be offset by a significant environmental benefit offset.

4b) New Storage near WTP:

What is the feasibility of identifying suitable land? Preliminary analysis conducted so far and detailed work would be undertaken should we progress with this option

5. New storage – treated water covered line storage

Should we progress this option we would draw on the work undertaken in early 2000's to identify and assess specific. The current plan regarding Middle River Water Treatment Plant and dam is to renew them in 2028.

5.2 Ranking of viable options

Tara (TH) talked through the rankings under a number of scenarios. Discussion around the following points:

- All cost estimates have been based on whole-of-life cost over the forward 25 year period.
- For the options that would require it, the Middle River decommissioning costs are included in the total cost of the option.
- The base case (continue with the current systems at current capacity) has been included in the analysis to compare how options perform compared to just continuing with the current plan.
- The option to decommission the Penneshaw desalination plant was not explored because the system is performing well and has recently been renewed. It therefore has another 20-25 years of useful life before it needs to be renewed again.
- There have been significant developments in desalination technology since the Penneshaw plant was first installed and the challenges experienced at the time in terms of equipment corrosion are no longer a challenge.

Sue (SF) made the statement that none of the options improve the benefits for the western side of the island.

5.3 Update on 'ideas to explore but not through MCA process'

Erin (EF) touched on some of the ideas we are exploring external of the Multi-criteria Analysis process.

6 What's next

Community Consultation – Phase 2:

- 8 May – Stokes Bay (Rockpool Café): 2pm-4pm
- 9 May – Kingscote Town Hall: 11am-3pm (formal presentation starts at 12:30pm)
- 10 May – Penneshaw Post Office: 12.30pm-3.30pm
- 14 May – IBIS Grenfell Street Adelaide: 6pm-6.30pm (prior to the KI Council Annual Business Plan and Budget meeting)
- 16 May – Vivonne Bay General Store: 9am-10.30am

- 16 May – Parndana Post Office: 12.30pm-3pm
- 17 May – American River Post Office: 12.30pm-3.30pm
- 18 May – Kingscote Foodland: 12.30pm-4.30pms

7 Other business

Reference group suggestions for the community consultation:

- Put a couple of scenarios to them that we've talked through like – what do you think about a desalination plant etc
- Use a map
- Have a shot summary of advantages and disadvantages of each option ready to talk about
- Some sort of presentation will be expected.

8 Next meeting

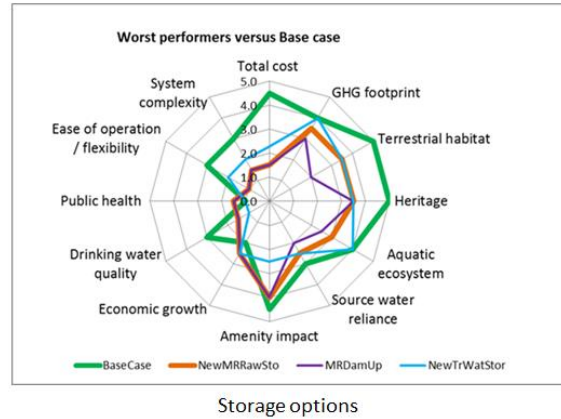
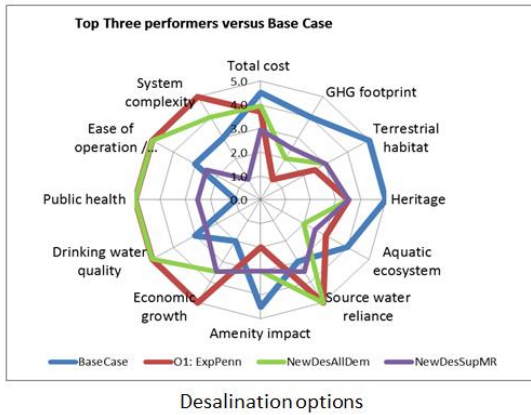
Aaron (AG) suggested an informal catch-up on the 8 May to say thanks to the group and to share with them the materials and conversation we will be having with the broader KI community. The location will be advised.

Open Action Items Register

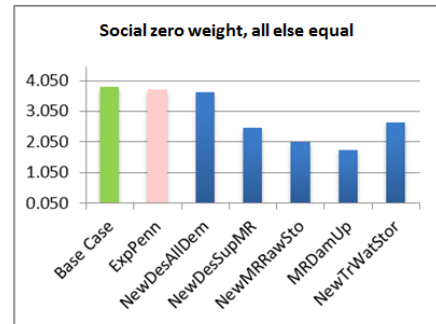
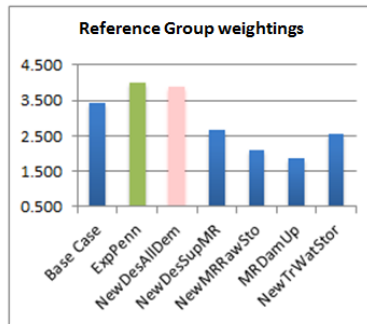
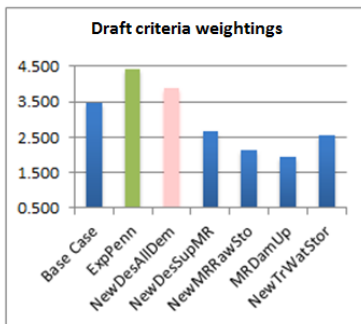
No.	Action	By Whom	Date Raised	Date Due	Status
1.	Update SA Water website with FAQ's as need arises	SA Water	14/11/17	ASAP	Ongoing
2.	SA Water to look for CFS online link to inspections on fire plugs Share the CFS form with Jayne Bates	SA Water	1/2/2018 19/4/18	ASAP	Open
3.	Catch-up with AY to discuss current costs	SA Water	21/8/2018	ASAP	Open
4.	One-pager newsletter to assist the Reference Group to engage with their constituents	SA Water	21/2/2018	ASAP	Ongoing
5.	Ask Sue for insight on needs of Western side of island	SA Water	19/4/18	ASAP	Open
6.	Obtain website analytics of hits etc to share with the Reference Group	SA Water	19/4/18	ASAP	Open

APPENDIX A – DRAFT RANKING OF OPTIONS

Draft ranking



Draft ranking - scenario testing



- Base case is the preferred option when no consideration to social aspects is given (economic growth, customer acceptability)
- New desalination (option 2) looks more favourable when the technical considerations are removed
- New Treated water storage is more preferable compared with desalination to supplement Middle River when cost is not a limiting factor, or when the social aspects are ignored