

Securing the Future of our Coastline

Community Reference Group
Meeting 4: 10 December 2020



Government of South Australia
Department for Environment
and Water

Welcome and Introductions

- Acknowledgement of Traditional Owners
- Apologies
- COVID 19
- Meeting time – conclude at 8:00pm



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Meeting Protocols

- Respect the person who has the floor
- Respect different views – create a safe environment for everyone
- Participate and collaborate don't dominate
- Say what you mean, mean what you say
- Don't be personal in your views
- Have your say but don't go over old ground
- Acknowledge historical issues, but look for solutions / ways to move forward

Agenda

- 1. Project and other updates** – Project update; Phase 1 Impact Assessment; Square Holes market research.
- 2. Pipeline co-design methodology** - Recap of agreed process
- 3. Pipeline co-design** - Pipeline alignment – issues, constraints and opportunities consolidated; above ground infrastructure design guidelines.
- 4. Impact Assessment** - Phase 2 impact assessment process
- 5. Wrap-up and Close** - Next steps

Meeting Summary

12 October 2020



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Outcomes from the meeting 12 October 2020

- Terms of reference to be reviewed and updated as required to ensure it is noted that the discussions and principles discussed at CRG meetings do not necessarily mean agreement by the CRG members.
- Proposed addition to TOR:
The department acknowledges that the discussions and principles raised at each reference group meeting, and/or outcomes as recorded in the meeting notes, do not necessarily indicate agreement by all reference group members or the community groups they represent.
- All members to input local issues, constraints and opportunities into the online mapping tool.

2. Project Status Update

External Sand

- Port Stanvac offshore sand source:
 - Field work complete.
 - Results still being analysed.
 - May need divers to take additional cores.
- Quarry sand:
 - Small scale trial into West Beach Parks this week.

New Pipeline

- Early Contractor Involvement (ECI) process has commenced with operator of the existing sand pumping system.
- Start up meeting held 10 December 2020.

Interim Replenishment

- Autumn 2021 campaign will be based on Jan 2021 survey data.
- Discussions ongoing with Semaphore Working Group (next meeting 15 December 2020).
- Independent Impact Assessment Phase 1 final report has been distributed.

Square Holes Report

1. South Australian beaches play a **critical role** in people's lives both somatically and spiritually.
2. As such, there is a general sense that a level of **maintenance is required** for them to be continually enjoyed.
3. The project and pipeline is **by and large supported**, however, there are somewhat **low levels of trust** in the process and an overall **scepticism** surrounding community voice and value.
4. The proposed pipeline to some extent feels **imposed** on the community, rather than being the result of thoughtful and collaborative discussions/ research.
5. The survey results are **generally positive**, with most being in support of the project, yet the tone of the focus groups was often **cautious** and concerned regarding transparency and processes.

Fundamentally, people **agree the project is a necessity moving forward**, however a current environment of **nervousness and distrust** means the community seeks a level of **communication** and **understanding** around the processes undertaken and the ultimate decision that has been reached.

3. Pipeline co-design methodology / approach

Co-design Approach

1. Pipeline Alignment

- a) Work along the coastline identifying constraints, opportunities, issues.
- b) Conceptual pipeline alignment prepared by DEW.
- c) Further session(s) to refine the conceptual alignment.
- d) Refined conceptual alignment discussed in more detail with specific resident groups
- e) Design consultants incorporate technical issues and constraints and produce draft designs.
- f) Sessions to provide feedback on detailed designs.

Co-design Approach

2. Intakes / Outlets

- Outcomes of impact assessment work considered
- Inlets, outlets, collection areas discussed.
- Specific workshops to work along specific sections of the coast

Co-design Approach

3. Above Ground Infrastructure

Prior to engagement of design consultants:

- Develop guiding principles for design and locating of above ground infrastructure
- Guiding principles given to design consultant

Following appointment of design consultant:

- Possible locations based on hydraulic considerations are identified and discussed
- Draft design options that deliver against the guiding principles are considered and discussed
- Final locations and designs are confirmed

Pipeline Alignment

- Scope for workshop – to consider constraints and opportunities to inform an alignment from existing pump station (end Burbridge Road) to south of Semaphore Jetty (initial pipeline concept)
 - Commence at West Beach end and work north identifying
 - Areas to avoid
 - Options to explore
 - Area to the north of Semaphore Jetty yet to be determined

High level principles/considerations for pipeline alignment

- Minimise impact on coastal ecology (dunes, offshore/onshore marine life, marine habitat/seagrass, etc)
- Avoid going through dunes
- Minimise impact on public amenity
- Make the pipeline unseen / invisible
- Fit in as best as possible with existing infrastructure (e.g. paths)
- Service ports to be away from emergency access points e.g. surf clubs for emergency vehicles
- Avoid disturbance to sensitive coastal areas and if an area is disturbed, make sure a plan is in place to rehabilitate it and improve it.
- If possible, prioritise areas that are weedy rather than areas with more valuable vegetation (noting this is difficult because it can change).
- Minimise truck movements on the beach – more trucks will be off the road with the pipeline, but there will still be trucks on the beach.
- Explore option for pumping systems offshore/sea based catchment devices that could minimise trucks on beaches

High level principles/considerations for pipeline alignment cont...

- Explore offshore discharge options
- Noise of intakes and pump stations to be minimised
- A clear conflict resolution process to be in place / open and transparent (relating to intakes/pump stations)
- Holistic planning e.g. rationalise stormwater outlets and path network in spots where sea level rise may cause potential inundation, etc.
- Consider advantages/disadvantages of location of the pipeline onshore (e.g how close to the toe of the dunes it could be) versus offshore? Can it be offshore?
- End of life / decommissioning considerations – materials used in design, etc.
- Consider beach usage (during construction and at completion when operational)
- Budget considerations – is there scope to extend the budget if there are options that come from community engagement that may cost more but would make the project more acceptable by the community?
- Safety to be considered in design (especially relating to offshore options)

mapping tool summary – pipeline alignment

note: all detail will be made available to the designers

- Community weeding and new planting areas identified across the project area
- Specific locations identified for butterfly bush and other native plantings
- Infauna / critters along the shoreline for consideration
- Narrow sections of dunes highlighted
- Dune habitat identified for increased fauna sightings (painted dragon)
- Dune corridor connections for consideration
- Tennyson Dunes Conservation reserve / rare and endangered species
- Shorebird / nesting locations
- Revegetation opportunities
- Specific areas highlighted for preservation
- Sections of native and remnant flora identified

mapping tool summary – pipeline alignment cont...

- Bike trail from outer harbour to grange very popular
- Northern car parking is at capacity / avoid infrastructure
- Identified areas for rough sleepers
- High use grassed foreshore areas identified
- Disability access points identified
- SLSC - avoid pipeline service ports across emergency vehicles driveways and ramps.
- Sailing Clubs – high use on weekends –parking restricted

Other mapping tool input

- Specific locations identified for pumps and other infrastructure
- No go areas identified for pumps and other infrastructure
- Offshores structures problematic for SLSC
- Northern beaches highlighted as key tourist destination
- Crabbing is popular along the northern beaches
- Maintain views for patrons in establishments
- Sand suitability and non-suitable sites
- Current infrastructure and interactions with pipeline infrastructure
- Use best practice principles
- Current infrastructure / amenity upgrade
- Areas south of the project area identified for other infrastructure

4. Phase 2 Impact Assessment

Phase 2 Impact Assessment

- WACRA has requested that DEW give consideration to using Doug Lord (Coastal Environments) to conduct Phase 2.
- Initial discussions have been held with Doug Lord.
- Update will be provided to next CRG meeting.

5. Wrap up and Close

Conclusion

Next Steps



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