CONSTRUCTION OF HUGHENDEN RECREATIONAL LAKE

Hari Boppudi
Funding/Budget

• The project is jointly funded by Flinders Shire Council, Building Better Regions Funding and Drought Relief Funding

• The project funding exceeded by appx.30% compared to the original budget

• Overall project cost is appx.11.5 million and Council contributed 50% to the total cost
Budget Management

• Funding application submitted based on the original design and estimates
• Tenders based on the original design are well out of budget
• To reduce the cost, applied scope changes, reduced the contractor risk
• Reduced contractor risk by agreeing to supply raw materials, supplying detailed geotechnical reports before the construction commence
Design Changes

• Shape of the structure
• Access around the lake
• Dam wall – Flood Modeling data
• Supply point
• Landscaping
• Edge protection
• Landscaping structures
• Pump station design
• Fish Holes
Challenges during construction

- Elected members and community expectations
- Procurement – Local Contractors
- Mudstone
- Design issues
- February Flood Event – Construction delays
- Rework
Challenges for the operational phase

- Lake filling (river and GAB)
- Design changes to pump station
- Alternative sources
- Operational costs – (river vs. GAB)
Stakeholder Engagement

- Neighbouring properties
- Community Engagement
- Project Steering Committee
- Elected Members
Summary

• Importance of scoping, relevant stakeholder engagement, risk analysis at design phase to avoid challenges during the construction and to meet the budget expectations

• Minimization of operational costs

• Importance of stakeholder engagement during the construction phase

• Flexible project management approach
Lake Filling
Acknowledgements

Premise

Premise Engineering

Premise Environment

Premise Agriculture

Premise Water

Shire of Flinders

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THANK YOU