

Nambucca District Water Supply Off River Storage Project

Experience to Date

Long Project History

- First contemplated in 1994
- Concept Design 1999 (Public Works / Woodward Clyde)
- Midco closed 1999 – used 25% of water
- Momentum stalled



2002 Drought

- Trigger for project recommencement
- Real risk of running out of water
- Highest priority for Office of Water Country
Towns Water Supply and Sewerage Scheme
- Public Works Engaged to complete Feasibility
Study / Options Review and Project
Development Plan

Community Engagement

- Council keen to engage community
- Review of Options
Workshops involving community
- Submissions from public
- Selection of preferred option



Pre Construction Phase

- Expressions of Interest for Project Management (2007)
- Public Works (Coffs) engaged.
- Hydrological Investigations, Community Consultation, EIS, Concept and Detailed Design.
- Procurement – Expression of Interest / Select Tender

Pre Construction

Consultants

- Hydroilex - Borefield Investigation
- KJA - Community Consultation
- GHD - EIS , Concept Design and Detailed Design



Pre Construction

- EIS completed October 2009 – Public Exhibition
- Submissions close 15 January 2010 – nothing significant
- Council Project approval – Part 3
- Detailed Design
- Submission to Dam Safety Committee

Pre Construction

Challenges

- Soft Foundation Dam
- Silent Community
- Divided Council
- Affordability
- Extraction Rules /
Water Licence



Pre Construction

Done Well

- Community Engagement – meetings with affected landowners / early warning
- Aboriginal Liaison
- Stakeholder meetings – Country Energy, EPA, Fisheries
- Lobbying Federal Government for Funding
- Moving project along with reluctant Council

Pre Construction

Room for Improvement

- Time for involving peer reviewer – immediately after concept design report.
- Final Completion of Detailed Design



Procurement & Construction

- Public Works also engaged for this phase
- Expressions of Interest / Select Tenders / Early Tender Involvement
- 2 Work Packages – aimed at allowing involvement of mid tier contractors with possible cost savings
- 4 select tenderers
- Tender Awarded – August 2012

Procurement & Construction

- Haslin – Package A – clearing, access road, dam embankment, inlet/outlet pipe, valve block, tower and spillway - \$35M
- 35 % complete
- Ledonne – Package B – transfer pipe, pump station, collection tank, 2 bores and electrical controls -\$5M
- All but complete

Procurement & Construction

Issues

- Landowners – power of entry
- Groundwater management
- Foundation Conditions
- Managing design consultants role during construction phase.
- Power Supply Design and Construction