

Tasmanian Irrigation Development Board

Tasmanian Agricultural Productivity Group
AGM

24 October 2008

Tasmanian Irrigation Development Board



What is the TIDB?

- The TIDB is a skills based Board whose members are drawn principally from the private sector.
- It was formed in March 2008 and earlier this month given a discrete identity as a proprietary company.

Why the TIDB?

- The TIDB was formed to bring private sector experience to the development of irrigation schemes in Tasmania.

What is the TIDB's job?

- To carry on the projects that were developed under the Water Development Plan and SMART Farming initiative.
- The aim is to supply an extra 300 000 ML per year to underpin a doubling of agricultural production by 2015.
- This will help capture Tasmania's water advantage
 - 11.8 per cent of Australia's total annual run-off from less than one per cent of the total land area.

How is the TIDB going about it's job?

- First, by conducting high level engineering and economic feasibility studies to see if a scheme is potentially viable.
- Then, by making the results of this work available to the communities concerned and working in partnership with the communities concerned to build the case for the development of the scheme.

Why is the TIDB going about its job this way?

- For a scheme to proceed we will have to, together, kick three goals:
 - the scheme must be economically viable.
 - the scheme must be environmentally sustainable.
 - the scheme must be supported by the communities it will serve.

How will a scheme be built and funded?

- The TIDB will be the proponent and build the scheme.
- The capital (capex) will be provided from two sources:
 - a capital contribution from the water users – who will be issued with tradable water rights in return.
 - a capital contribution from public monies.

How will a scheme be managed?

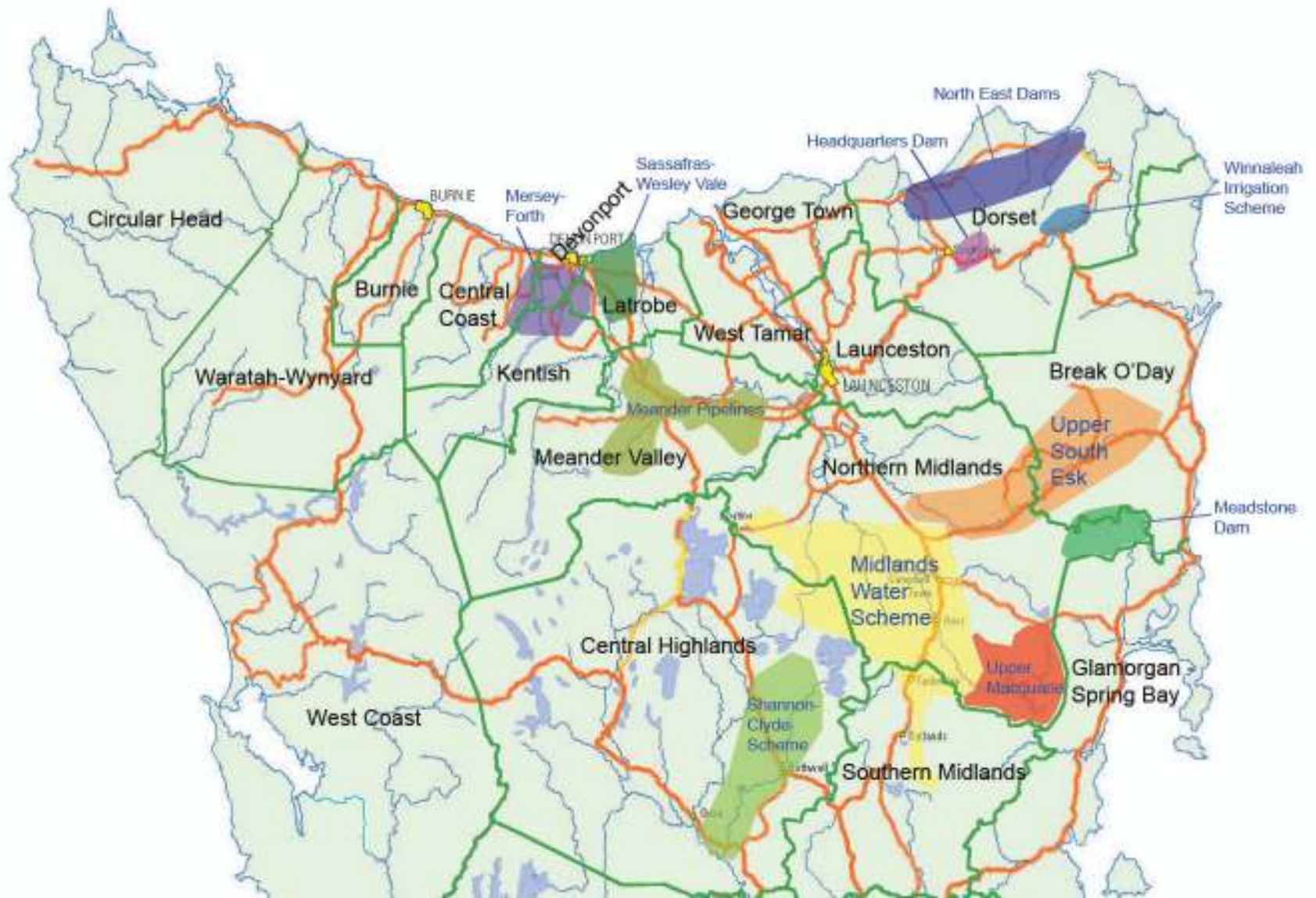
- There will be the opportunity for a scheme to be locally managed, such as is now happening with the Cressy-Longford and Winnaleah Irrigation Schemes.
- There will be the option for a scheme to be managed on an interim basis by Tasmanian Irrigation Schemes Pty Ltd, the operational arm of the Rivers & Water Supply Commission (RWSC).

How will the operation and management of a scheme be funded?

- Ongoing operation costs (opex) will be funded by annual charges paid by the water users.
- There will be no assistance towards opex from the public purse.

Eleven priority projects

- Midlands Water Scheme
- Ouse – Shannon – Clyde Scheme
- North East Dams
- Winnaleah Irrigation Scheme Expansion
- Sassafrass Wesley Vale Irrigation Scheme
- Mersey – Forth Irrigation Schemes
- Meadstone Dam
- Headquarters Road Dam
- Upper Macquarie Dams
- Meander Dam Pipelines
- Upper South Esk Dam



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Midlands Water Scheme

Outline of Preferred Option

Preferred option

- Three separate pipelines to deliver 50 000 ML annually with high degree of surety.
- Each scheme uses a different secure water source.
- The schemes will require a mix of public and private capital totaling \$74 million.
- Mini-hydro power plants will be used wherever possible to offset annual costs.

Three Sources

- Macquarie Settlement Pipeline
- South Esk Pipeline
- Arthurs Lake Pipeline

Midlands Water Scheme

Preferred option



● Macquarie Settlement irrigation zone

(13 000 ML / 12 918 ha)

● South Esk irrigation zone

(9 000 ML / 25 497 ha)

● Arthurs Lake irrigation zones

(28 000 ML / 40 290 ha)

Total water delivered = 50 000 ML

Total irrigated area = 78 705 ha

Irrigation zone boundaries are indicative only

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Macquarie Settlement Pipeline

- Privately funded scheme.
- Supplying up to 13 000 ML annually.
- Services 12 918 Ha.
- Surety of 98% from December to March.

South Esk Pipeline

- 20km of pipeline from South Esk River at Glen Esk to Winton Dam and onto the Elizabeth River at Campbell Town.
- Delivers 9000 ML annually.
- Cost \$13 Million.

South Esk Pipeline

- Water will be extracted during winter and stored at Winton Dam and other on-farm storages.
- Water will be delivered into the Macquarie River through Blanchard's Creek and the Elizabeth River.

South Esk Pipeline

- Services 25 497 Ha.
- Reliability of 98%.
- Approved and constructed by the 2010/11 irrigation season.

Arthurs Lake Pipeline

- 73 km of pipeline from Arthurs Lake to Mount Seymour.
- Delivers 28 000 ML annually.
- Cost \$61 Million.

Arthurs Lake Pipeline

- Water will be extracted from Arthurs Lake and delivered into the Isis, Blackman, Macquarie and Oatlands / Mount Seymour areas.
- Reliability of 98%.

Arthurs Lake Pipeline

- Water delivered in summer
 - 3000 ML to Isis River
 - 7000 ML to Blackman/Macquarie Rivers
 - 4000 ML to Oatlands/Mt Seymour areas.
- Water delivered in Winter
 - 14 000 ML to be delivered to areas of demand.

Arthurs Lake Pipeline

- Power generation
 - Two mini-hydro plants will be constructed to offset water supply cost.
 - Isis: 1223 kWh/ML.
 - Tunbridge: 1190 kWh/ML.

Water Rights

- Water right entitlement
 - Fixed one off payment of water right.
- Annual water fee
 - Fixed
 - management
 - maintenance
 - Variable
 - Water cost
 - electricity price

Timeline

South Esk

Arthurs

Dec 2008

Final preferred option

Dec 2008



Dec 2009

Environmental, land easements,
water supply/sales and
approvals

Dec 2010



Early 2010

Start construction

Early 2011



2010/11

Water delivered

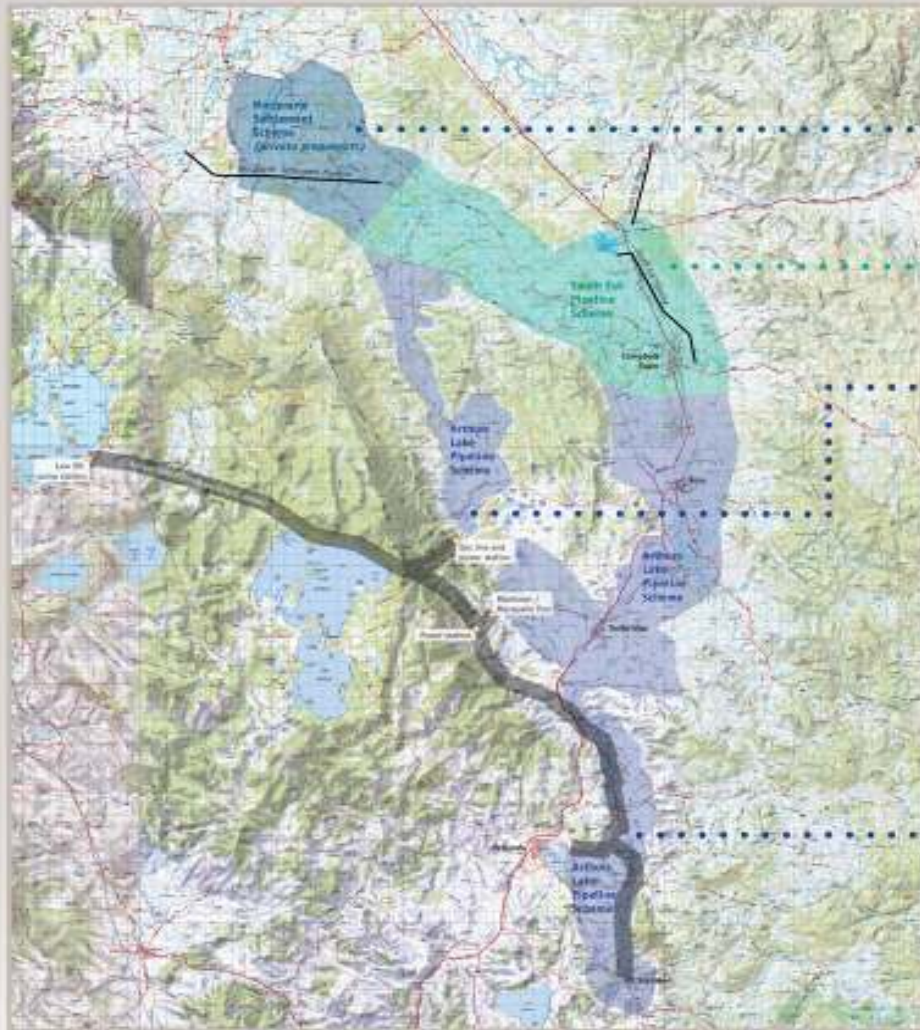
2012/13

Process Forward

- Community feedback on proposals from today until end October.
- Information about project available at www.dpiw.tas.gov.au/irrigation and Service Tasmania shops (Campbell Town, Oatlands, Longford and Hamilton).

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