



# AUSTRALIA & WATER

*Let's look at the big picture*

# WHAT'S BEING SAID

.....  
*Some Opinions*



The MDB cannot be ‘drought-proofed’.  
... drought is a natural part of Australia’s climate ...

– *Murray Darling Basin Authority*

# Drought in the Murray-Darling Basin

Farmers and communities across many locations in the Murray-Darling Basin are currently experiencing severe drought conditions.

The Murray-Darling Basin cannot be ‘drought-proofed’. Sadly, drought is a natural part of Australia’s climate and climate change is predicted to increase drought frequency and severity in the Basin.

When it’s dry, the whole river system suffers—including the animals, fish and birds that rely on the rivers for survival. The health and sustainability of the rivers, wetlands and floodplains is important to the sustainability of the whole Basin.

## Fish deaths and drought

With rivers running dry and water storages across the northern Murray-Darling Basin at 20 per cent capacity...

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# ACTUALLY, IT CAN

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# OPINIONS

.....

## *Landline TV Program*

The Ord river dam discharges enough water per week to service Sydney's water needs for 12 months".

**Ord River Dam**



## OPINIONS

.....  
*Landline TV Program*

# WASTED WATER?

The Ord river dam discharges  
enough water per week  
service Sydney's water needs  
for 12 months

Ord River Dam



# OPINIONS

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*CSIRO scientist,  
Mr Andrew Ash*

In answer to: Can water be piped south from Darwin?

‘Yes, it can be done but the total costs can be very high ...

...The biggest objection is the cost of pumping the water; not the building of the system.’

**Ord River Dam**

## OPINIONS

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*CSIRO scientist,  
Mr Andrew Ash*

# SO, NEUTRALISE RUNNING COSTS

“Yes [water can be piped South from Darwin] it can be done but the total cost can be very high... The biggest objection is the cost of pumping the water; not the building of the system.”

Ord River Dam



# FACT

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China is currently building a water scheme for a total estimated cost of \$66 Billion USD, which is expected to be exceeded. The Chinese system includes a pipeline in excess of 4,000 Kms with Hydro-power generated at each pumping station, with irrigation canals.'



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**WE ONLY NEED  
2500 KMS**

*Many have grappled with  
Australian water projects before.  
New technology in solar, wind and  
hydro power makes it feasible.*

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**WATER FOR ALL AUSTRALIANS IS POSSIBLE.**

# WATER F'ALL

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*It's possible.*



# NOT JUST WATER

.....

A total plan can solve many current issues that are needed to take Australia into the 22nd century.

For example:

- Generate diversified sustainable employment.
- Over-population in cities could be eased by migration to Northern and Central Australia.
- Inland Australia can thrive.

**Ord River Dam**

# WHERE WE ARE

.....  
*Current position*





# WHERE WE ARE

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- Water is scarce for most of Australia
- Billions of megalitres of water is available in the north
- Water allocations have been mis-managed
- Generational property is lost, due to lack of water allocation
- Farms are dying along with our food sources, and farmers.
- Clean power and sustainable food sources are needed
- Australia's future is bleak (hence our mental health epidemic)

# WHAT WE FACE

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*Inaction is lethal*







# WHAT WE FACE

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- Long bushfire seasons
- Death of agriculture
- Costly imported food
- Over population in cities
- Expensive power sources
- National economic ruin
- Ghost towns
- Dead landscapes

Note: Some of these difficulties are already upon us. It's now a survival issue for many Australians.

# WHAT WE HAVE

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*Our resources*





# WHAT WE HAVE

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- Water in the Northern Australia
- Space
- Sunlight
- People (including refugees)
- Expertise
- Clean energy technology
- Example of a self-sustained city – Masdar City in UAE
- Example of canals – China
- Example desert conversion – Israel

# WHAT COULD BE

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*What's possible*





# WHAT COULD BE

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- Endless water supply
- Thriving river systems
- Plentiful food sources
- More farmable land
- Financial well-being
- Employment > less crime
- Win/win refugee programs
- Thriving inland cities
- Created mountains for rain
- Australian wide fast travel

# THE WINS

.....  
*Benefits*





# THE WINS

- .....
- Australia wins; jobs, wealth, tax, population, less welfare needs...
- Companies with sustainable solutions and technologies
- Rivers and Fisheries
- Environment
- Plants and animals
- Hydro-electricity income
- Farmers and agri-business
- Bush fire management
- Refugees
- Coastal cities
- Australia's exports

# WHO SAYS

.....  
*Meet Sharon*







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Ms. Sharon J. Menzies

I have been engaged in engineering work with Sunrice in the MIA and Riverina areas for 25 years. When I first started, Sunrice produced in excess of 1 million tonnes of rice per year. Due to poor rainfall and lack of water allocation, crops have dwindled down to a little over 54 thousand tonnes.

Sunrice have had to close down 5 mills and retrench several hundred employees for lack of water allocation. The Deniliquin Mill which was closed down several years ago was the biggest producing Mill in the Southern Hemisphere. This mill has since been reopened but production is greatly reduced.

This is a retrograde step to growing the economy which highlights the lack of vision and forward planning of Australian officials.

# HOW

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*Preliminary  
Project Outline*





# HOW

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Flowmax Energy's WATER F'ALL project is huge. It includes:

- 2,500 kms pipeline
- 1000 kms canal
- Cost-neutral pumping stations producing hydro-power
- An international airport
- Roads
- Bullet railways
- Transport scenario
- Self-sustained city
- Desalination plants for backup water in dry times

# HOW

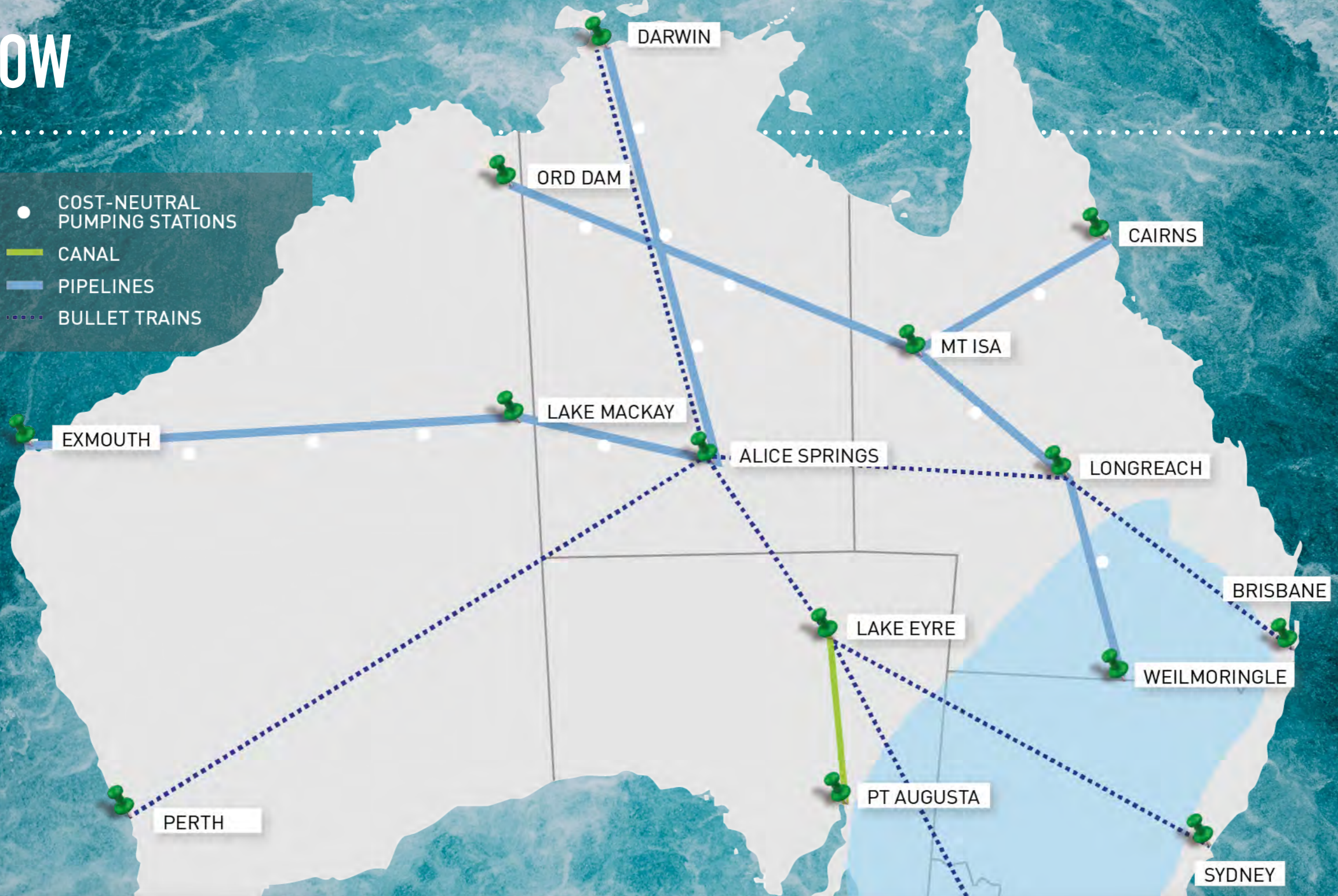
- COST-NEUTRAL PUMPING STATIONS
- CANAL
- PIPELINES
- ⋯ BULLET TRAINS

# SOMETHING LIKE THIS



# HOW

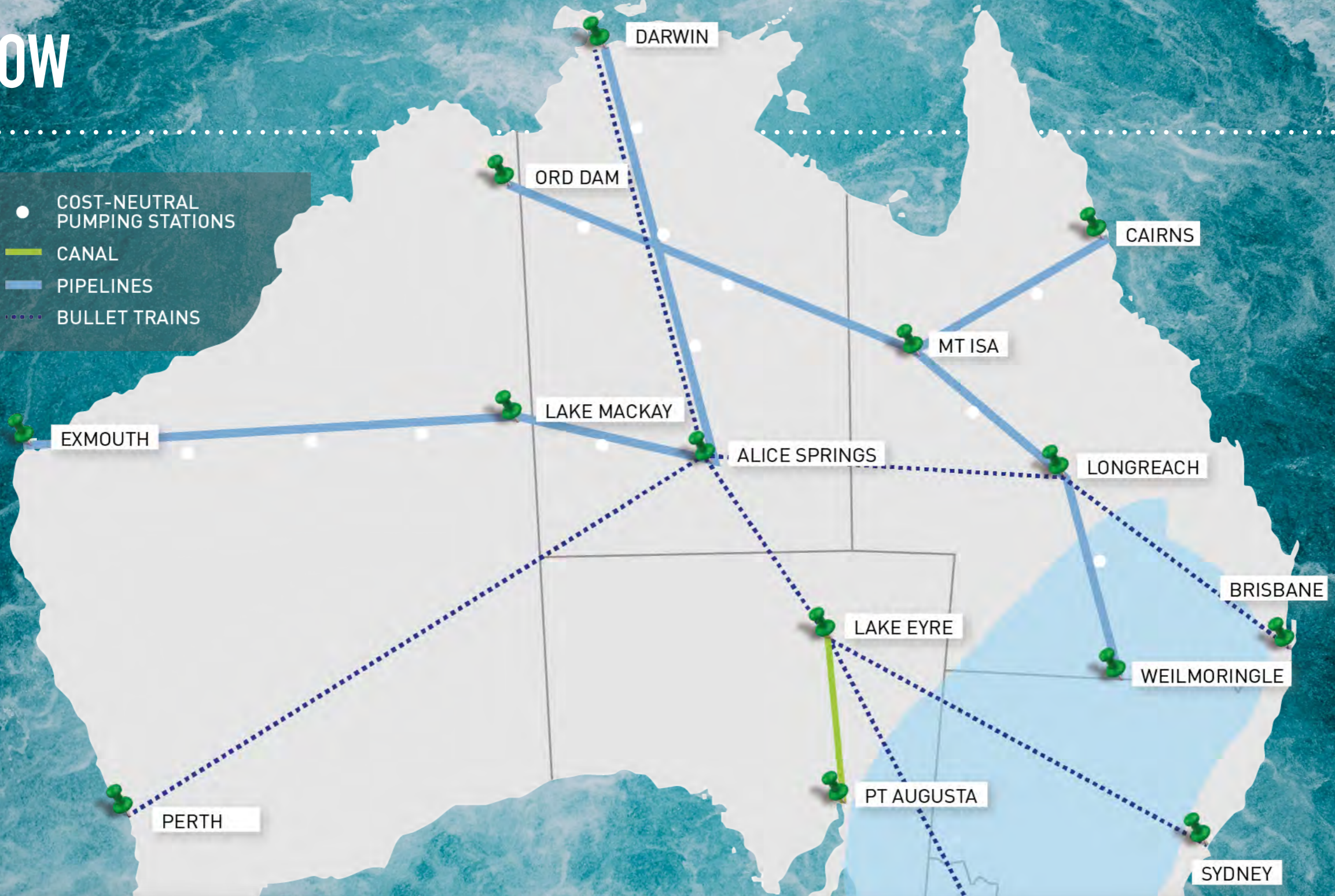
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Actual pipeline routes and pumping station locations will be engineered to satisfy: surveys, reticulation, terrain, land ownership, railways and

# HOW

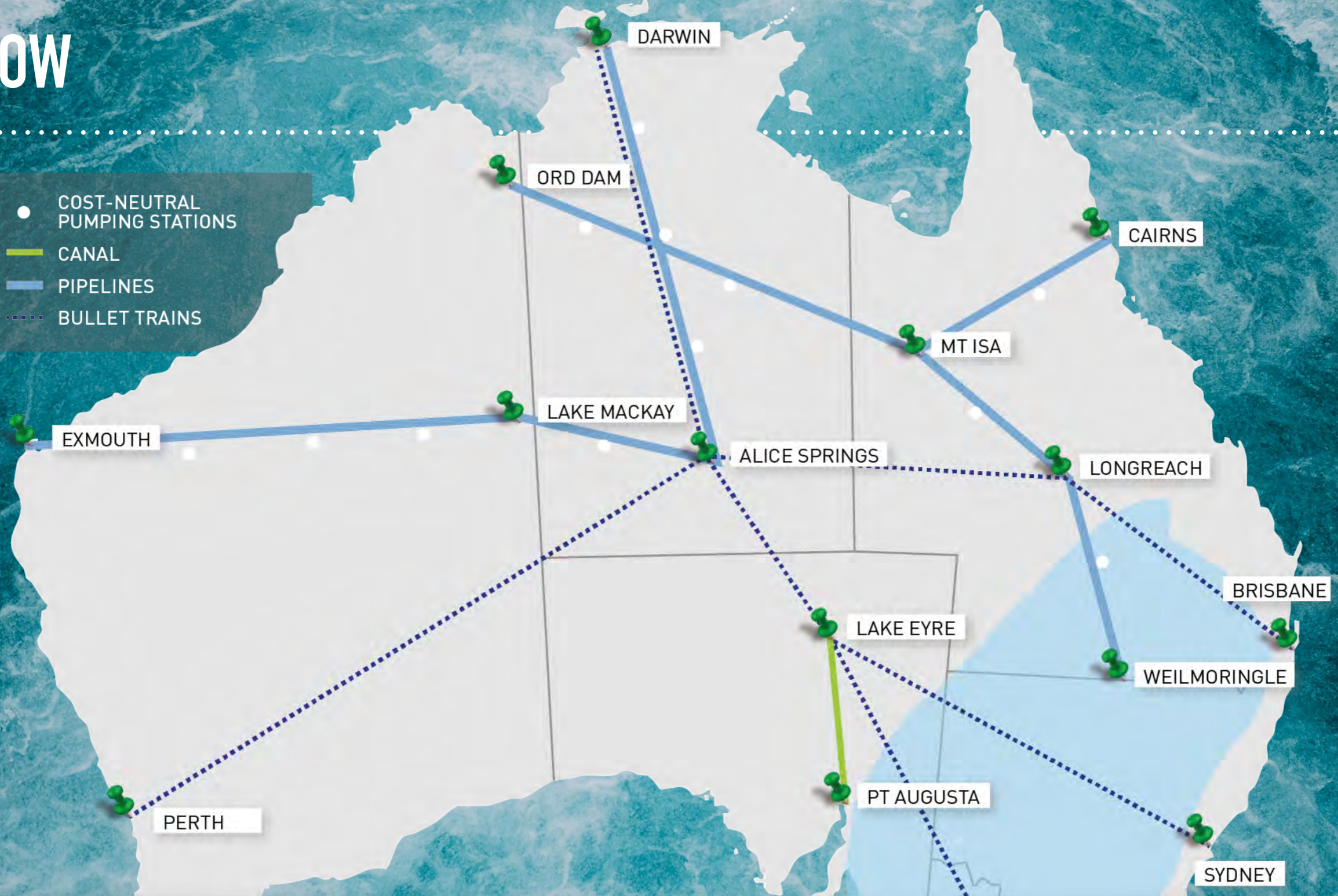
- COST-NEUTRAL PUMPING STATIONS
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The dotted line shows a proposed bullet train. With fast accessible travel, the possibilities and spin-offs from this project are massive.

# HOW

- COST-NEUTRAL PUMPING STATIONS
- CANAL
- PIPELINES
- ⋯ BULLET TRAINS



A self sustained twin city to 'Alice' like Masdar City in Abu Dhabi, is possible as part of the spin-offs from this far reaching project.



The wind and solar power will cover the running costs of the pumping stations, which produce hydro-power and is sold into the National grid.





# WATER F'ALL

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*The financial vision:*

Flowmax Energy are seeking financial investment and/or government grants to complete the details of this project in order for an international corporation to be floated.

Being a share holding company, every Australian can have the right to buy shares.

In this way, we can eliminate the unfair system of water allocations and water market.

# WHAT'S NEXT

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*Next Best Steps*





# WHAT'S NEXT

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- Aboriginal Consultation.  
We would like to include the indigenous intelligence of water management.
- Land ownership and land management audit.
- Detailed impact study.
- Design a mechanism for the wide scale collaboration required for success.
- Publicise the project to gather support, invite investors and incite discussions on an Australia-wide water strategy.



# WATER F'ALL PROJECT

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*The big picture*