

Urannah

WATER SCHEME



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1300 Urannah



GPO Box 1982, Brisbane, Queensland



BCE AGM PRESENTATION

Overview of Urannah Water Scheme

December 2019



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www.uranahwater.com

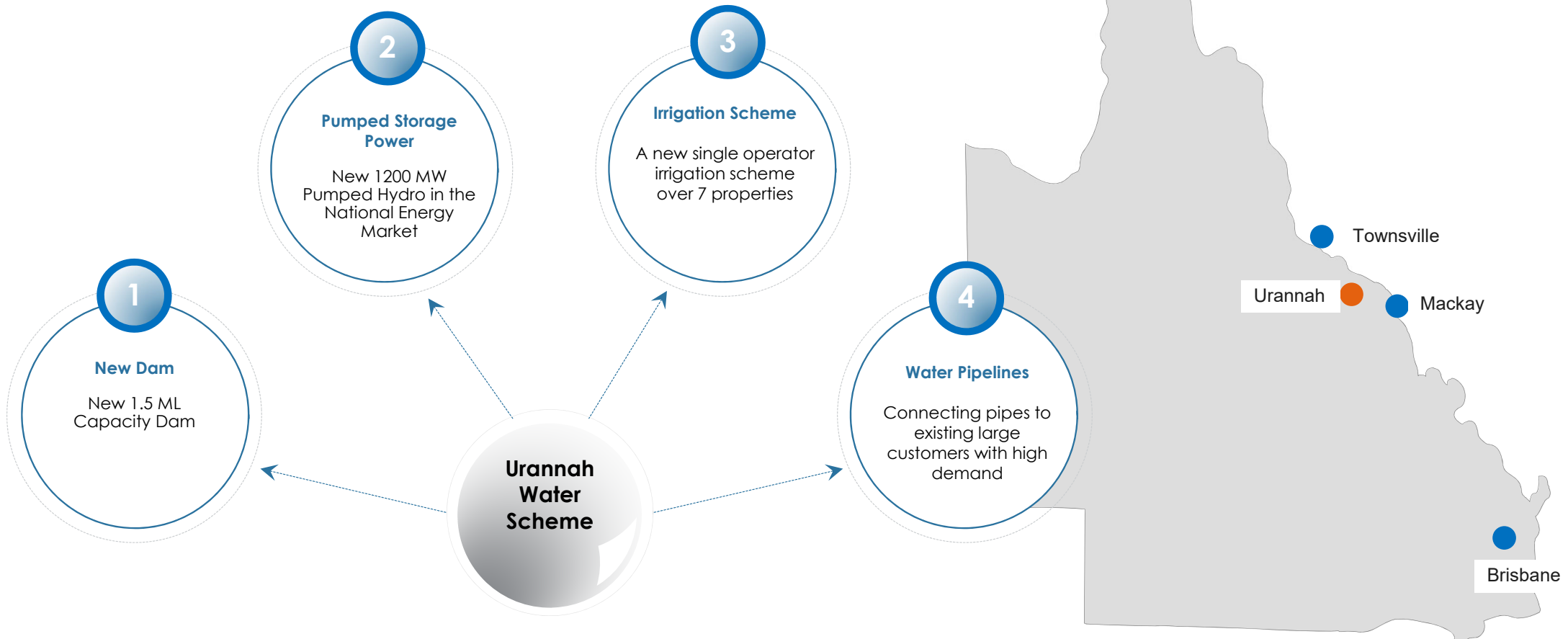


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Urannah Water Scheme



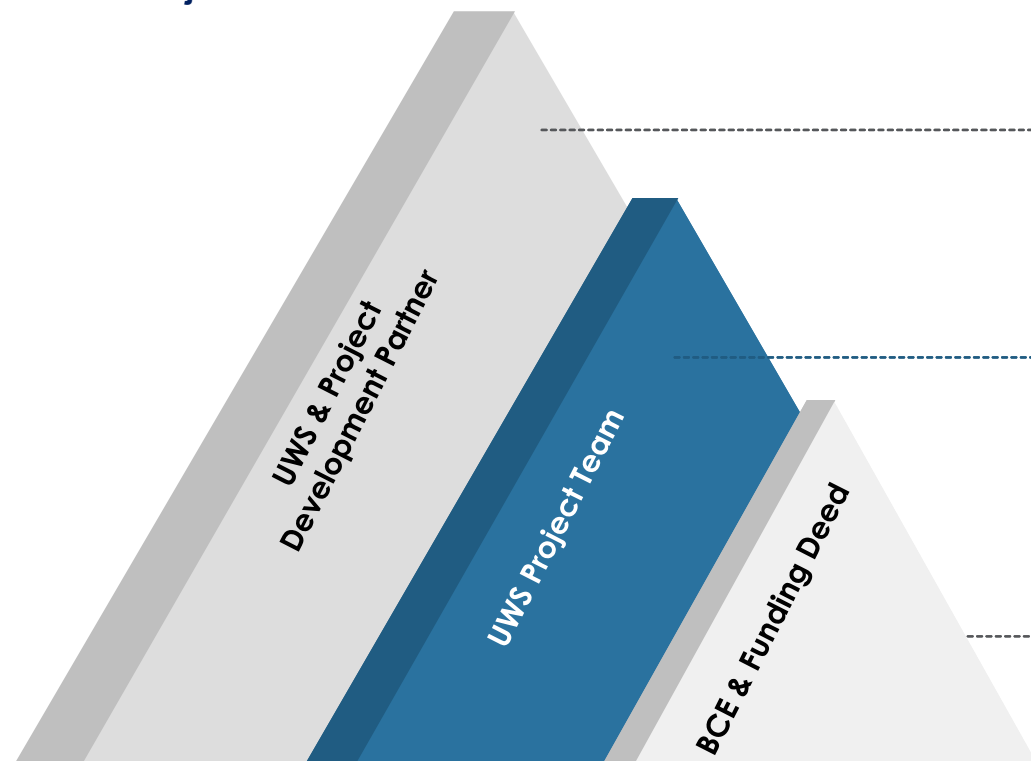
\$2.5 Billion.

Positive NPV.

BCR >1.3

Project Framework

Project Structure

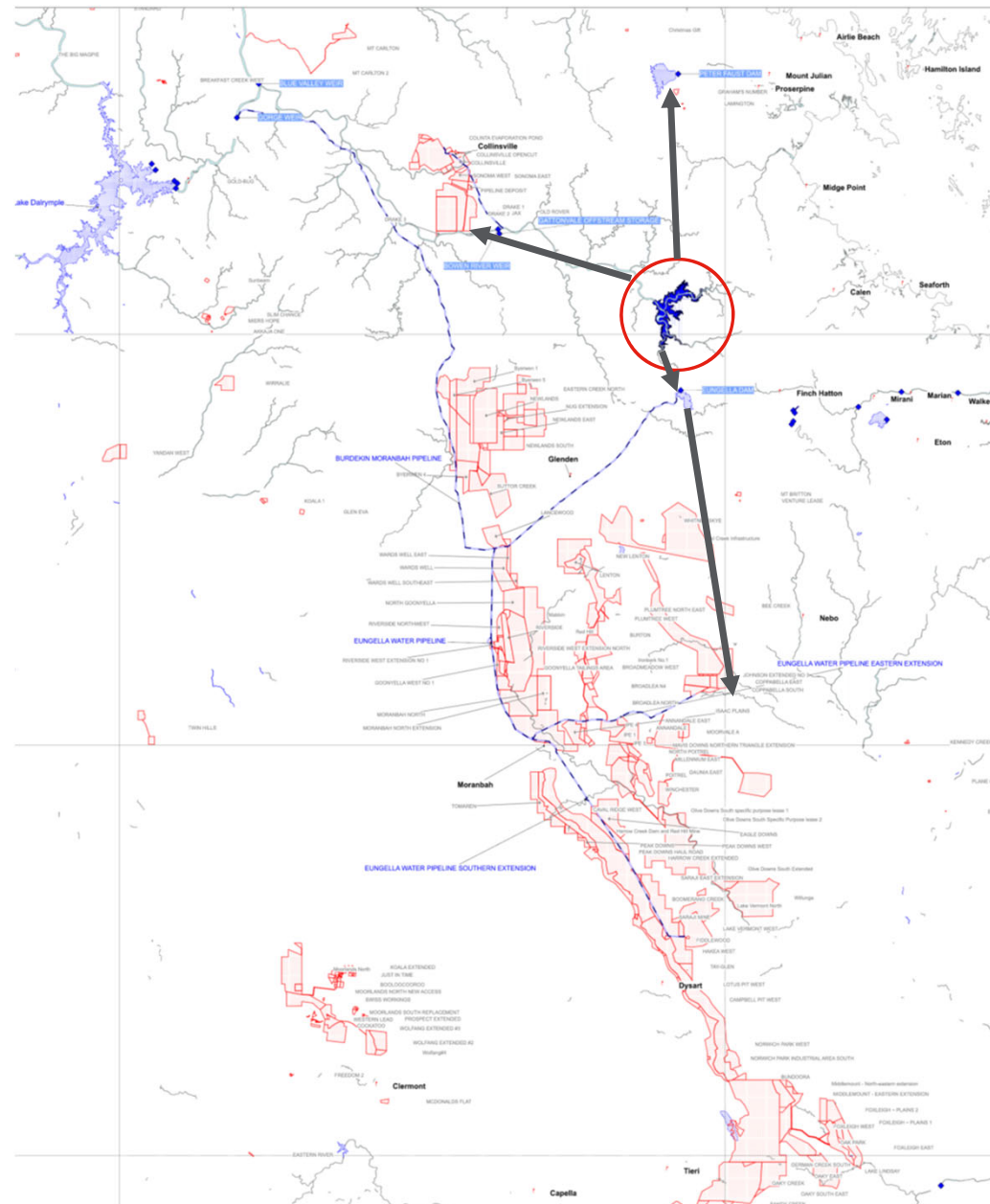


Project Roles

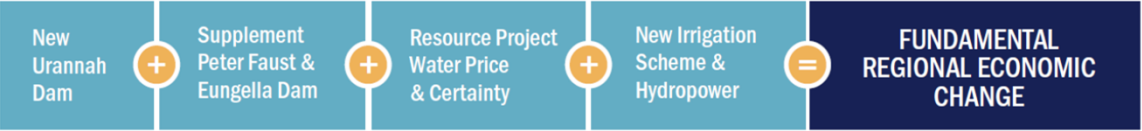
- Project Proponent (Equity)
 - Owns Land & Rights to Develop
 - Will be the Partnership / Bulk Water Provider
 - Arranges Future Equity and Debt
 - Delivers the Financial Investment Decision
-
- Delivers the Detailed Business Case
 - Delivers the EIS
 - Manages the consultant team
-
- Contributes \$10m to the Project
 - Builds Social License of the Project
 - Reports to State and Federal Government on DBC and EIS funding acquittal

Project Overview

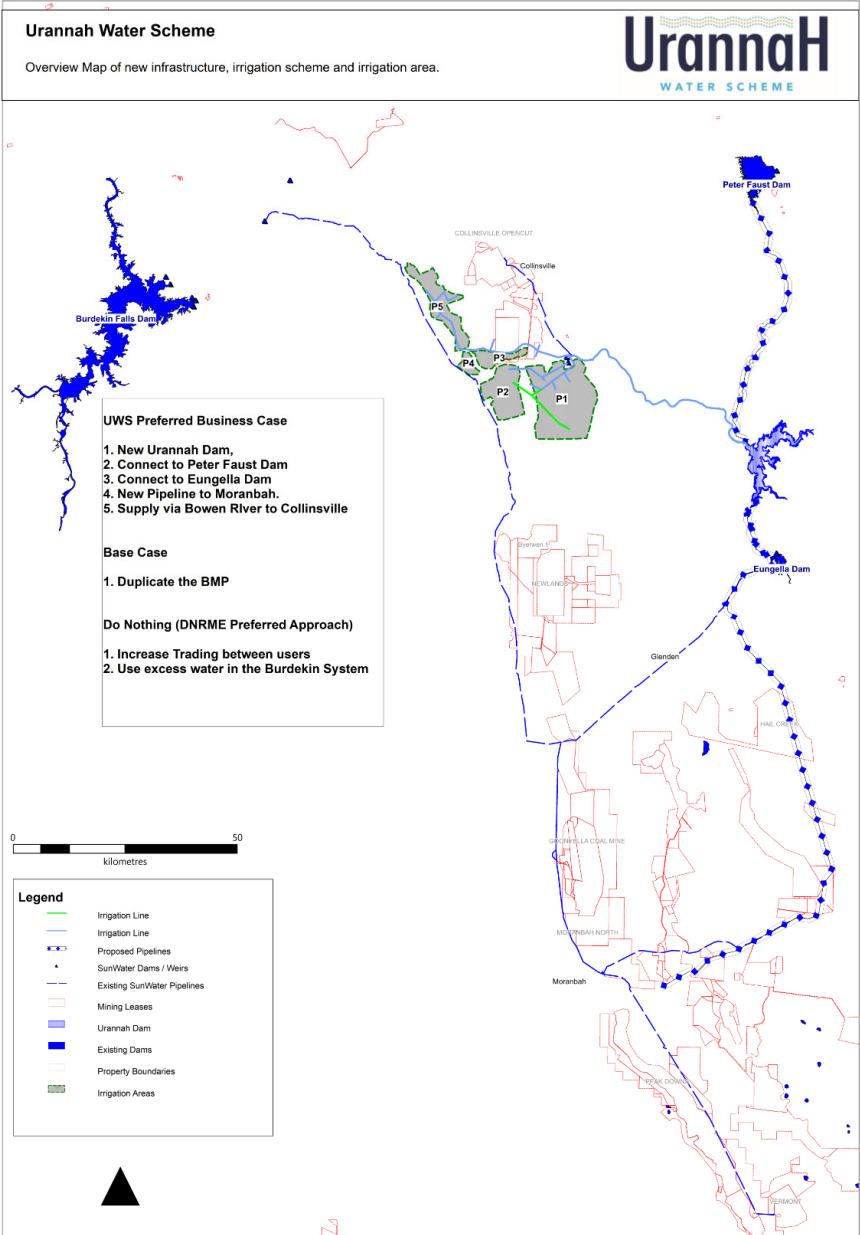
- Urannah is a brown field project to supply water to existing dams (Eungella and PFD)
- In Steam flows to Irrigation Scheme at Collinsville
- Connections via Hail Creek to Moranbah
- Alternative to BMP duplication
- >1000 MW of Pumped Hydro and 1.3 GW of Solar



What did the feasibility find?



Operational Viability		A 150,000 megalitre dam is feasible to build
Service Need		At least 21 new projects need water from the UWS At least 15 existing projects have immediate water need in the Collinsville, Newlands, Moranbah & Proserpine areas
Cost		Dam construction cost: \$673m 2 pipelines to Proserpine and Moranbah: \$592m Irrigation scheme: \$200m
Environmental Impacts and Approvals		Approvals are underway for the preferred option with no critical flaws identified in the studies
Land Use Implications and Approvals		The first dedicated high-impact irrigation scheme to make use of mining buffer areas – a true coexistence strategy using best environmental practices
Economic Benefits		A Benefit Cost Ratio of 1.7 and positive NPV of \$558m
Social Impacts and Benefits		Water security for local communities, mining at a lower price, business opportunities for Indigenous communities, and certainty for farmers to grow agriculture, create jobs and broaden the regional economy



The Urannah Water Scheme



\$2.5 Billion Dam, Pipelines, Irrigation Scheme & Pumped Storage Hydro-Electricity Project

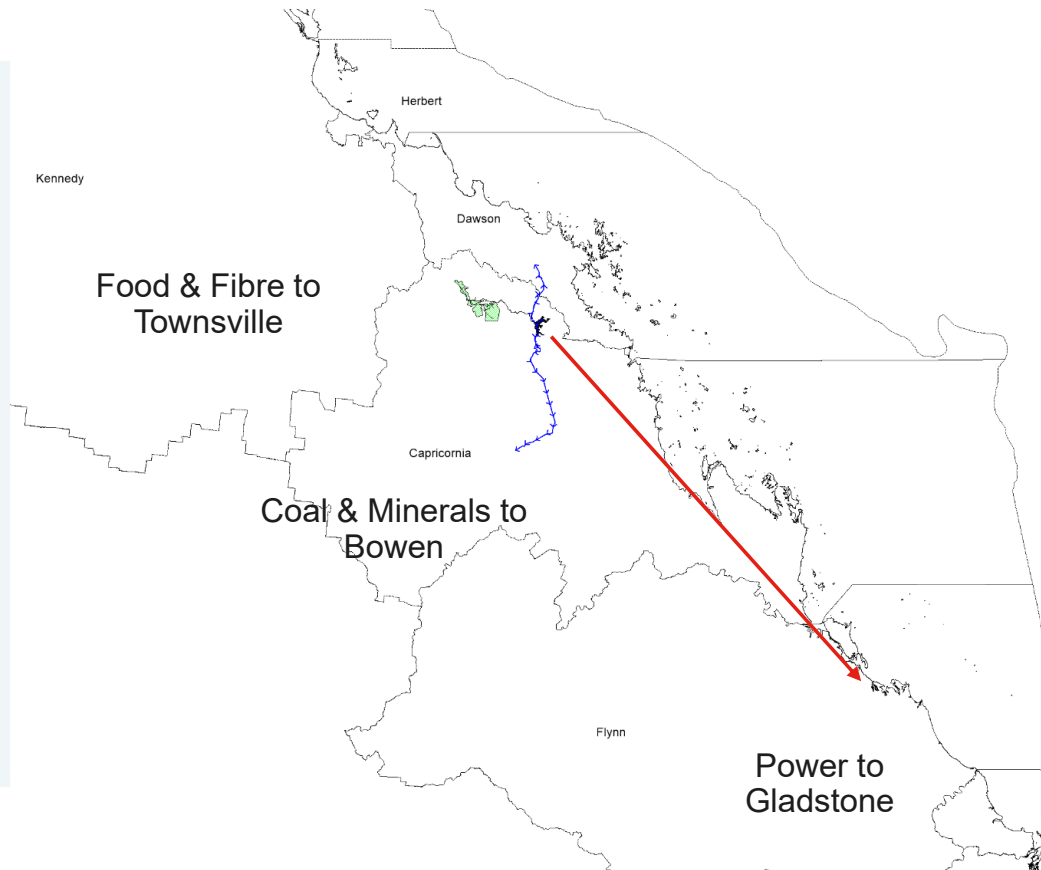
1.5 MILLION ML STORAGE CAPACITY

ABILITY TO PROVIDE WATER to Collinsville, Whitsundays, Bowen & Moranbah

A single managed project of 20,000 HECTARES of master-planned irrigation scheme that maximises buffer lands to mines

POWER GENERATION OF OVER 1,000 MW AT \$1,380 PER KILOWATT

LOCATED 50KM FROM COLLINSVILLE



WATER SECURITY FOR 15 ACTIVE MINING PROJECTS AND 21 NEW PROJECTS

1,200 NEW CONSTRUCTION JOBS

650 NEW PERMANENT JOBS

The Dam is strategically located with **HIGH RELIABILITY AND YIELD WITHOUT LARGE SCALE INUNDATION**

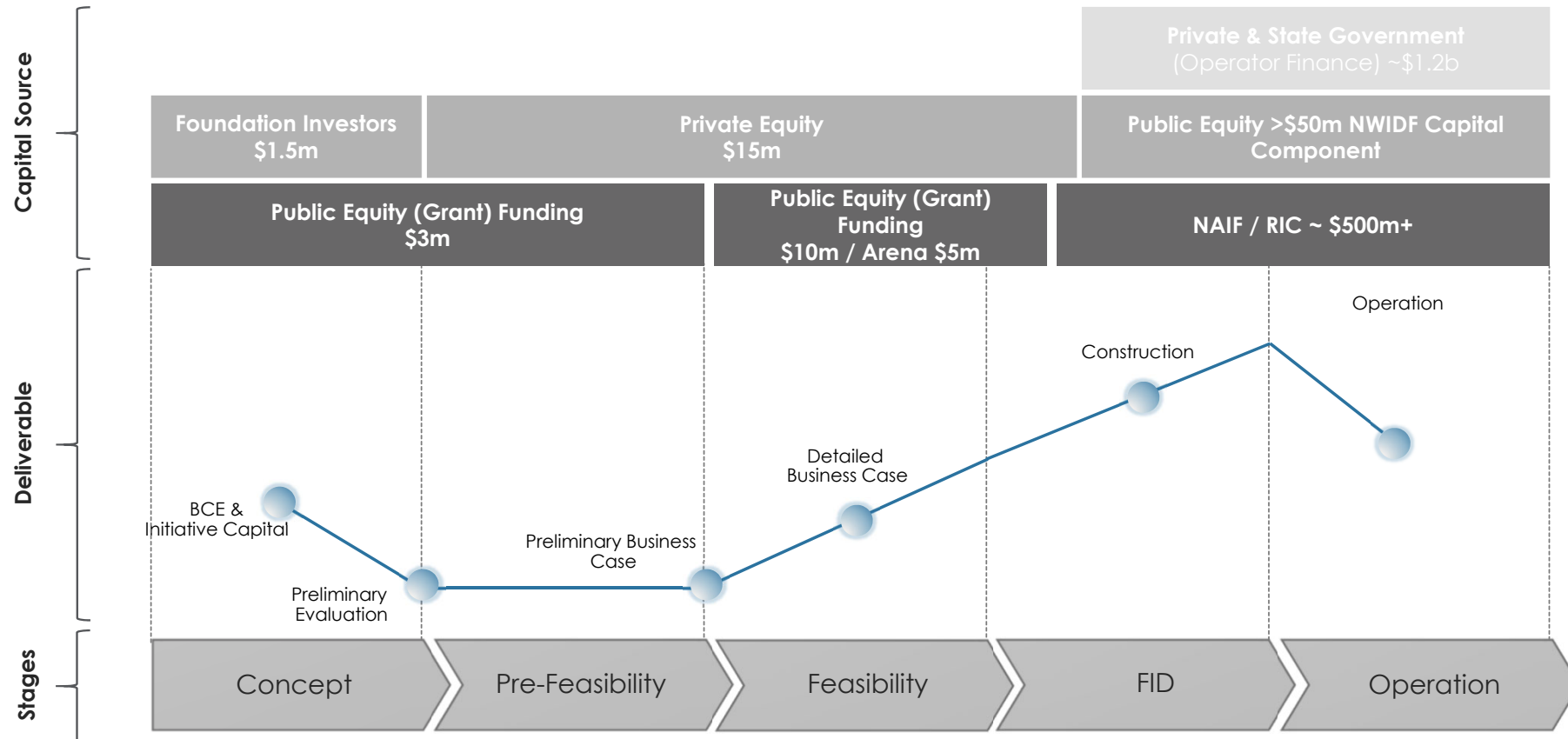
UWS is THE ONLY LARGE WATER PROJECT in North Queensland that

- HAS A POSITIVE BCR
- HAS A POSITIVE NPV
- HAS IMMEDIATE CUSTOMER DEMAND

IS THE LARGEST RENEWABLE BASELOAD ENERGY PROJECT IN NORTHERN AUSTRALIA.

Water for Mining & Agriculture + Base Load Electricity covering 2000 Square Kilometres of Queensland

Urannah Finance and Capital Structure



Project Support – Bi-Lateral & Party Support



Urannah Dam proponents meet with government heavyweights



Urannah Creek, site of the proposed Urannah Dam, west of Mackay. Picture: contributed

by CATLAN CHARLES
31st Jul 2019 6:39 PM
Subscriber only

THE STATE Government's interest in the Urannah Dam project was a pleasing sign, Dawson MP George Christensen said.

Earlier today, Queensland Natural Resources Minister Anthony Lynham asked the Federal Government to pick up the pace on funding the initial stages of the project, which would lead to damming Broken River



Media Statements

Minister for Natural Resources, Mines and Energy
The Honourable Dr Anthony Lynham

Wednesday, July 31, 2019

Palaszczuk Government calls for Fed action on Urannah Dam

The Palaszczuk Government has called on Morrison Government to step up the pace on the proposed Urannah Dam west of Mackay.

Natural Resources Minister Dr Anthony Lynham said it was time for the Commonwealth to deliver for the people of North Queensland on its election campaign commitments.

"The LNP at State and Federal level have made promise projects from one end of the state to the other," he said.

"Now's the time to deliver on at least one of them, and with the Queensland Government for Urannah Dam.

"We welcome an honest and evidence-based appraisal

"Deputy Prime Minister Michael McCormack offered \$: project shovel-ready, and yet nothing's happening. "We want to see Scott Morrison deliver on his promise

"We stand ready to participate the process put forward

"It's time we saw some action on the ground and I'm for his constituents.

"He was with Mr McCormack for the media announcer get the Deputy PM on the line and get this moving?"

BACKGROUND

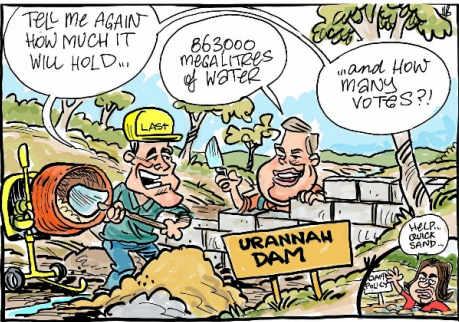
The proposed Urannah Dam would dam the Broken River east of Collinsville.

With an estimated construction cost of up to \$1.5 billion and facilitate irrigated agriculture zone along the

Bowen Collinsville Enterprise provided a preliminary water distribution scheme to the Federal Government

[ENDS]

Media inquiries: Jan Martin 0439 341 314



LNP promises Urannah Dam if elected

Daily Mercury 11 Mar 2019



WATER PLANS: Queensland Opposition Leader Deb Frecklington says the LNP would build the Urannah Dam if elected. Picture: Daryl Wright

THE Urannah Dam project, north-west of Mackay, could be one of the first LNP promises to be delivered if the party wins the next state election.

A new Townsville-based government agency dedicated to building dams, would be created if the LNP is elected, sparking a jobs bonanza in North Queensland.

The Opposition's plan, announced 18 months before the next election, would "unleash the economic potential" of regional Queensland and bolster water security in the region.

Opposition Leader Deb Frecklington said the Queensland Dam Company would implement the LNP's plan for new dams and dam upgrades in North and Central Queensland. "Quite simply, water means

jobs," she said.

"New dams will kickstart regional economies, create jobs and provide water security for generations to come."

"SunWater hasn't been active since 2005 so we need a new plan for water security."

The Queensland Dam Company would focus on the state's major projects; the Dam project in the Tablelands, the Urannah Dam project north-west and raising the Burdekin Dam.

The LNP expected the dam would create jobs and provide water security. The plan would create jobs through construction and operation.

SunWater would still manage existing dams under the plan and would be encouraged to use local businesses during construction.

We have your best interests at heart.

TRY B

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NEWS BREAKING LOCAL QUEENSLAND OPINION CRIME & COURT QLD POLITICS

Member for Whitsunday Jason Costigan says he wants to see some action on the proposed Urannah Dam. "I want to hear the bulldozers starting up." Picture: Daryl Wright

QLD NEWS

A dam good plan to boost Mackay, Bowen region

Michael Madigan, The Sunday Mail (Qld)
November 13, 2016 12:00am

AN INLAND ocean bringing to life up to 30,000ha of fertile Queensland farmland is shaping up as an economic life saver for one of the state's most depressed regions.

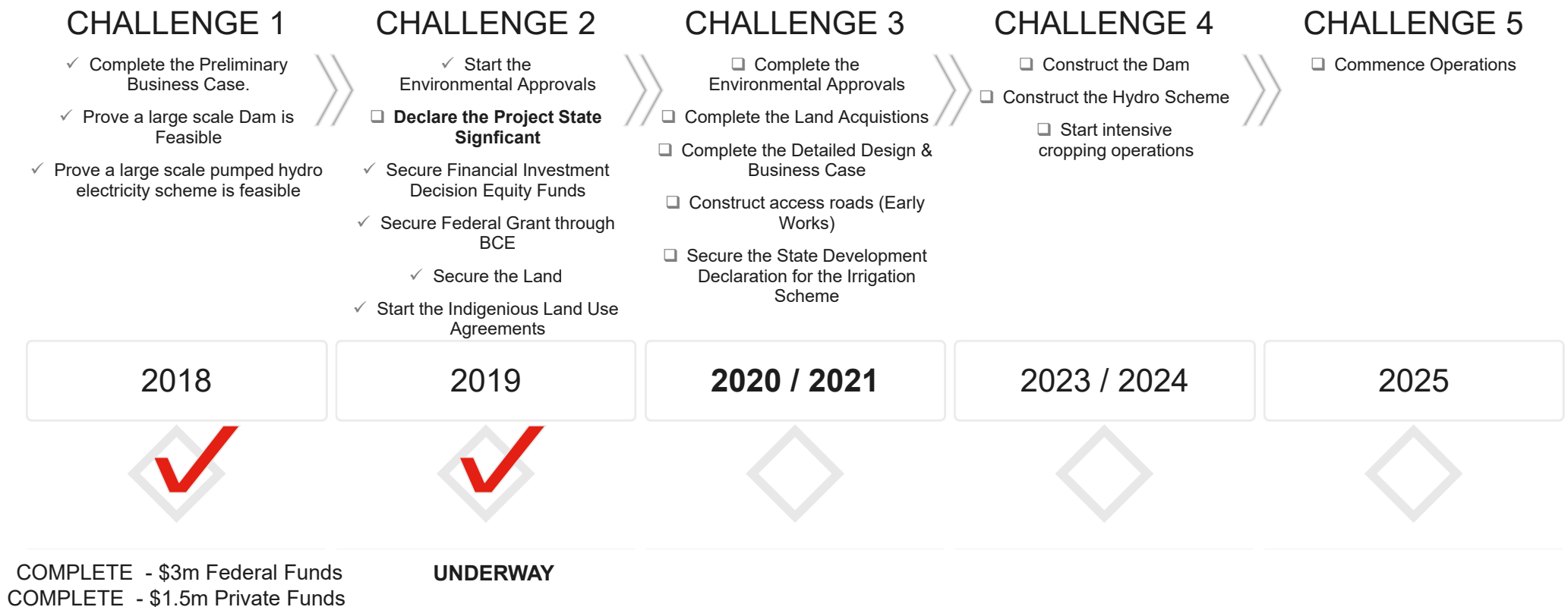
The proposed Urannah Dam, about 60km southwest of Proserpine, was given a tick of approval from the Snowy Mountain Scheme in the 1960s.

It has the potential to spark a mini agricultural revolution and assure the future of new mines in the Bowen and Galilee basins, including the economic powerhouse represented by Adani's Carmichael project.



Tony Murray and Tess Ford, owner-operators of the Eungella Chalet, says the Urannah Dam could stimulate tourism. Picture: Daryl Wright

Project Planning



Urannah

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Confidential



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17 December 2019