



# Greater Whitsunday Regional Projects Forum 2024

Department of State Development and Infrastructure



Queensland  
Government



# Greater Whitsunday Regional Projects Forum 2024 Keynote address

- » **Graham Fraine, Director-General**
- » Department of State Development and Infrastructure



**Queensland  
Government**



# Acknowledgement of Country



# Regional Transformation Strategies

More than \$76 million for 59 projects in four key regions in Queensland to harness the talents and resources of regional areas to seize the opportunities presented by decarbonisation.

## Four regions:

Greater  
Whitsunday

North West  
Queensland

Central  
Queensland

Darling Downs,  
South West  
Queensland and  
South Burnett

# Greater Whitsunday region

## Key industry strengths

- » METS capabilities and advanced manufacturing
- » Globally recognised biofutures production
- » Renewable energy production and usage
- » Agribusiness innovation and transformation
- » Sustainable, accessible and eco-friendly tourism



# RTS Projects – Greater Whitsunday

Newly approved projects under the \$200 million  
Regional Economic Futures Fund (REFF)

\$10M

Additional infrastructure  
at the Abbot Point State  
Development Area  
(SDA)

\$4M

Mackay State  
Development Area  
(SDA) - Future Foods  
Precinct infrastructure  
planning and catalyse  
development

\$2M

Isaac Country  
University Centres

\$250K

Tourism industry  
support



Queensland  
Government

# RTS Projects – Greater Whitsunday

**\$685K**

Local government  
decarbonisation  
strategies

**\$500K**

Biomass and waste for  
sustainable aviation  
fuel (SAF) feedstock  
study

**\$300K**

Regional social  
licence toolkit

**\$160K**

Empowering  
Indigenous businesses

# The importance of social licence

Why it matters





# Building Social Licence

- » Our reputation for being investment destination of choice diminishes without social licence. Social licence building, through true engagement and communication, is key to delivering infrastructure projects
- » Government projects and private investment must bring Queenslanders on the journey
- » Success relies on communities accepting, buying into and ultimately owning projects. A majority of Queenslanders accept long-term infrastructure benefits outweigh short-term construction disruptions

# Final remarks

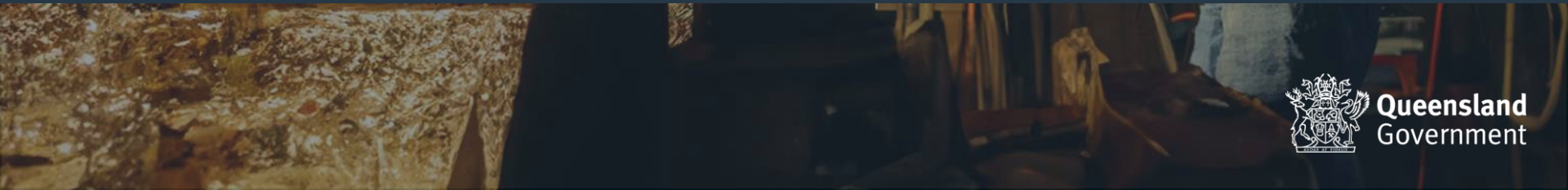


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# Leading Regional Transformation

## Q&A Session



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# Pioneer-Burdekin Pumped Hydro Project

**Trish Auld, Project Director**

Queensland Hydro



**Queensland**  
Government

A close-up, underwater photograph of water splashing, with sunlight filtering through the surface, creating a shimmering, textured effect.

# Pioneer-Burdekin Pumped Hydro Project

Greater Whitsunday Regional Projects Forum

• 5 SEPT 2024

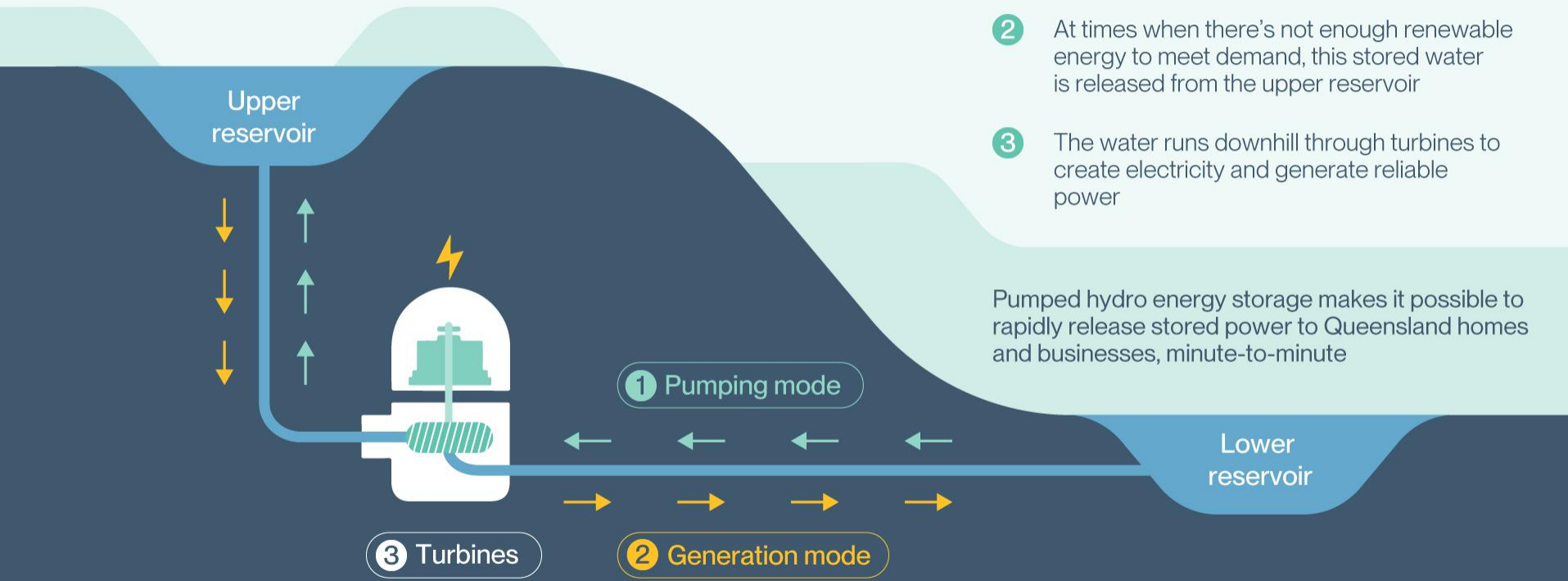


## Acknowledgement of Country

In the spirit of reconciliation, Queensland Hydro acknowledges the Traditional Custodians of Country throughout Queensland and, in particular the lands, skies and waters on which we operate. We celebrate the diversity of Aboriginal peoples and their ongoing cultures and connections to the lands, skies and waters of Queensland.

Queensland Hydro pays respect to Elders past and present honouring their continuing spiritual and cultural connections to Country.

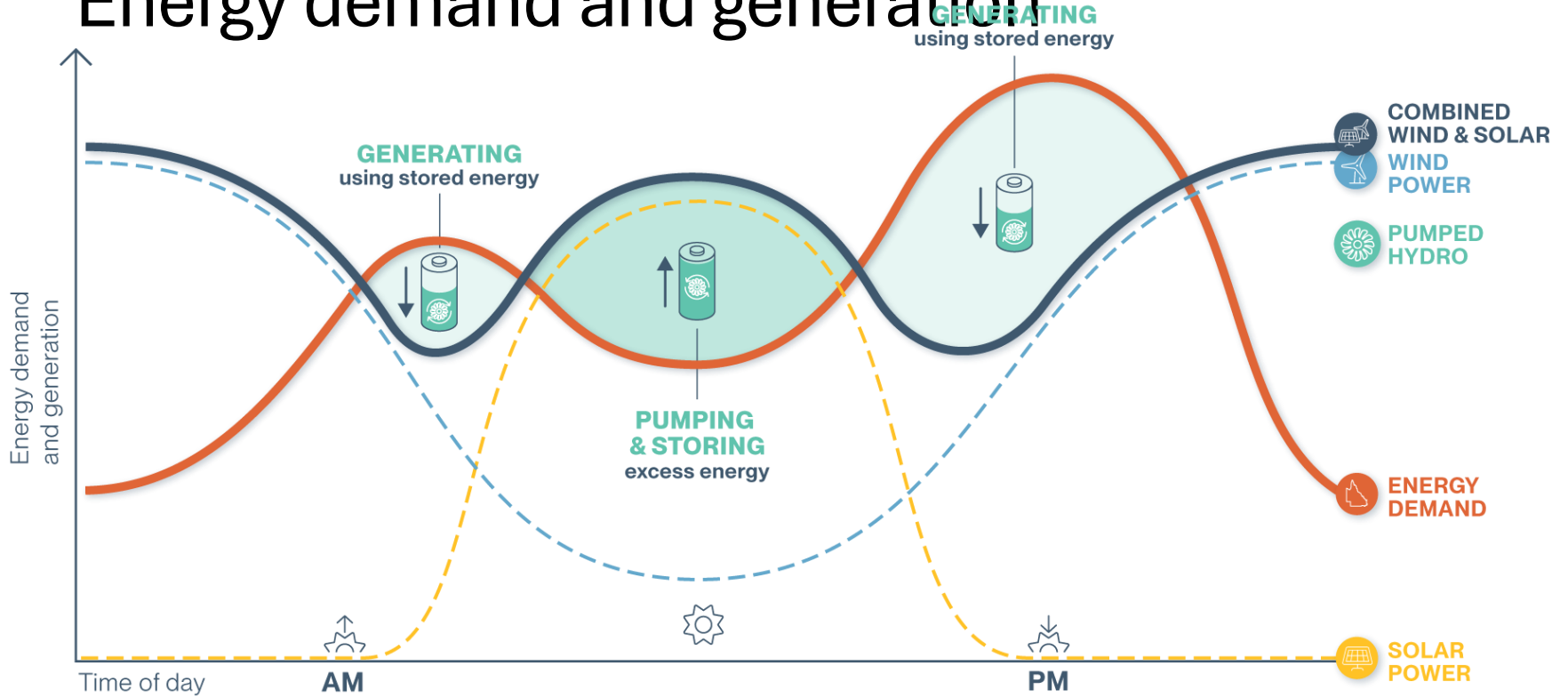
# How does pumped hydro energy storage work?



- 1 When demand for electricity is low, water is pumped from a lower reservoir to an upper reservoir using surplus renewable energy generated by the wind and sun
- 2 At times when there's not enough renewable energy to meet demand, this stored water is released from the upper reservoir
- 3 The water runs downhill through turbines to create electricity and generate reliable power

Pumped hydro energy storage makes it possible to rapidly release stored power to Queensland homes and businesses, minute-to-minute

# Energy demand and generation



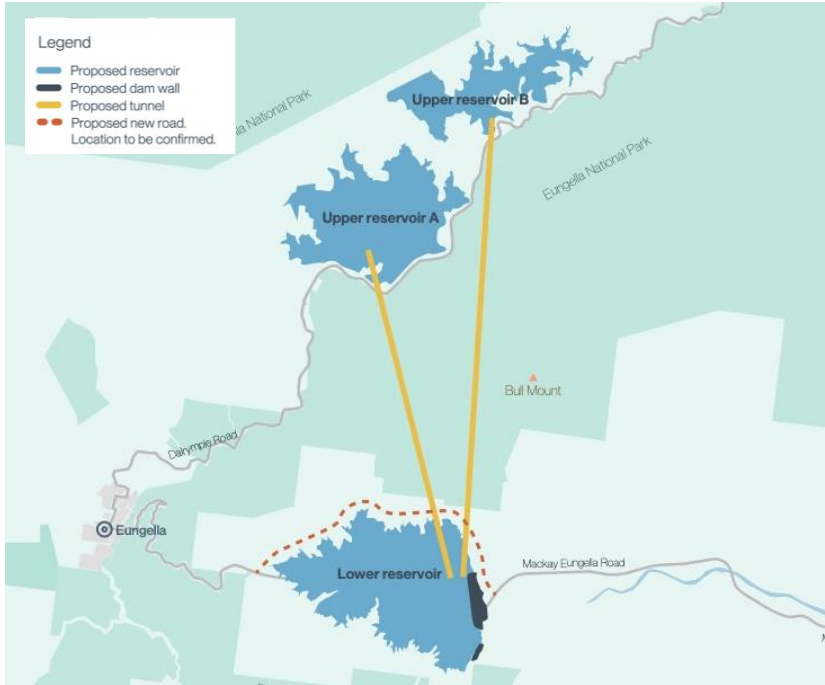


# Pioneer-Burdekin Pumped Hydro Project

Hydro  
— IS HOW.



# Project overview



**5,000MW**  
generation potential  
2 x 2,500MW power  
stations



**24 hours**  
of energy storage  
(120,000MWh)



**Energy capacity**  
equivalent to two -  
three smaller sites



**Opportunity**  
regional development,  
jobs, local investment

We acknowledge the Yuwi Peoples in the Pioneer River catchment and Widi Peoples in the Burdekin River catchment

# Project scale – Energy storage (MWh)

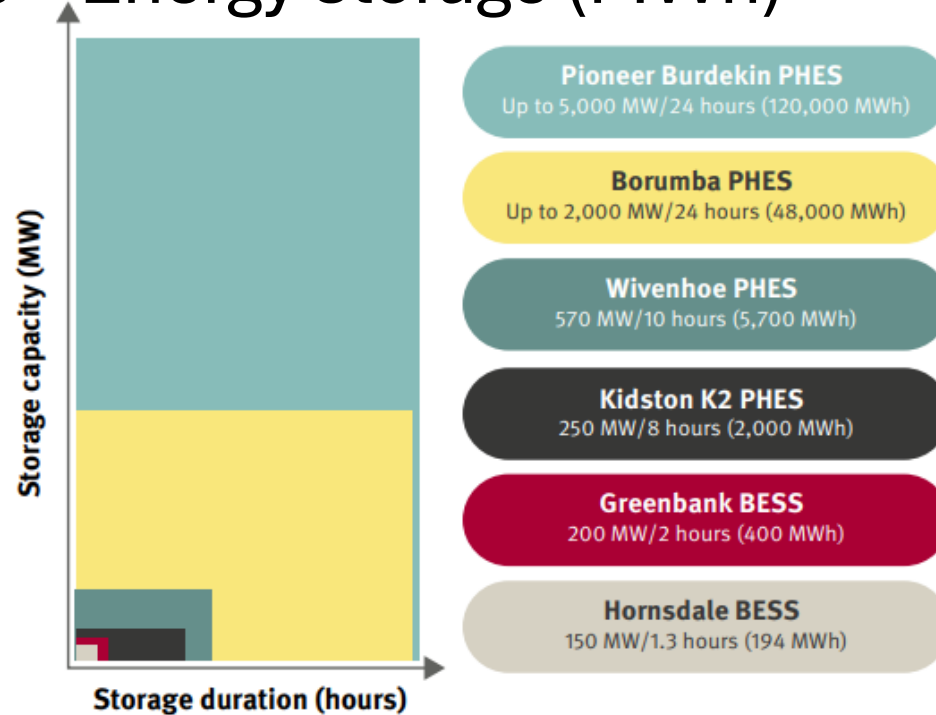
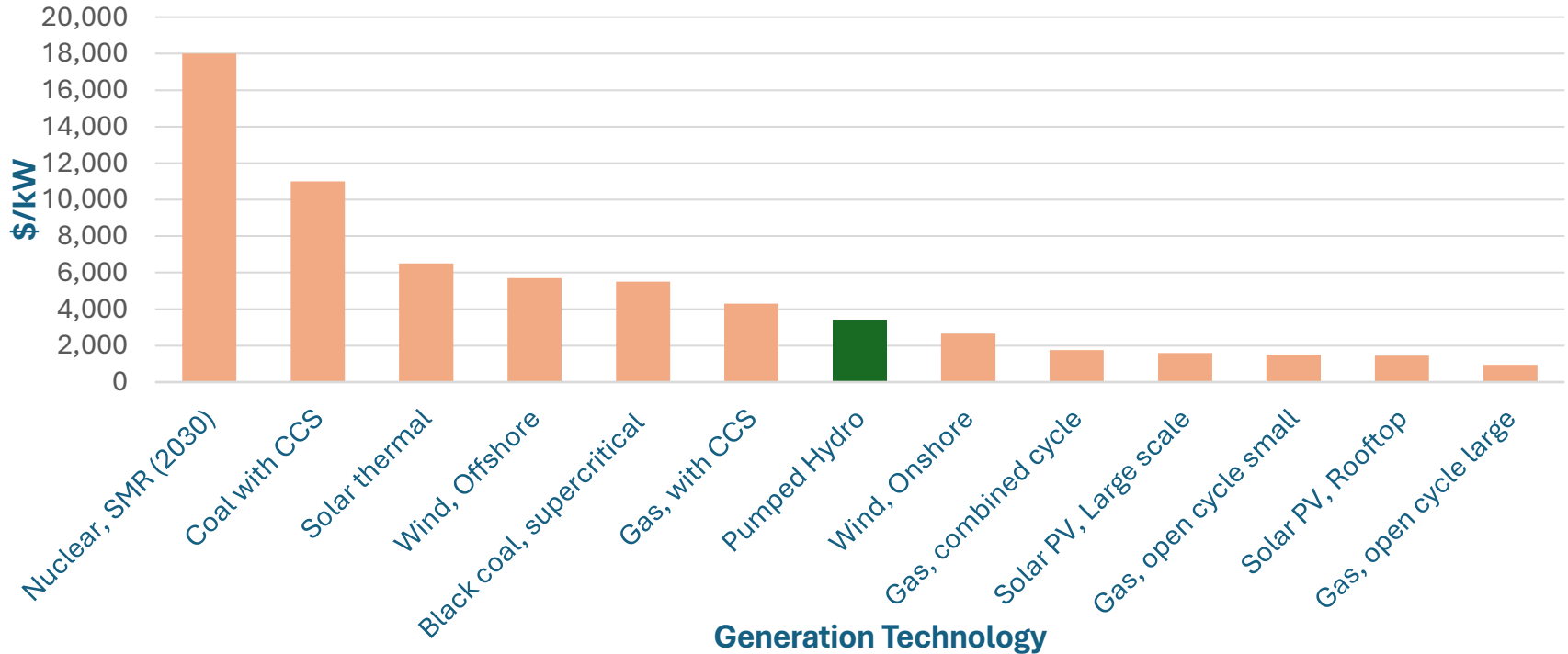


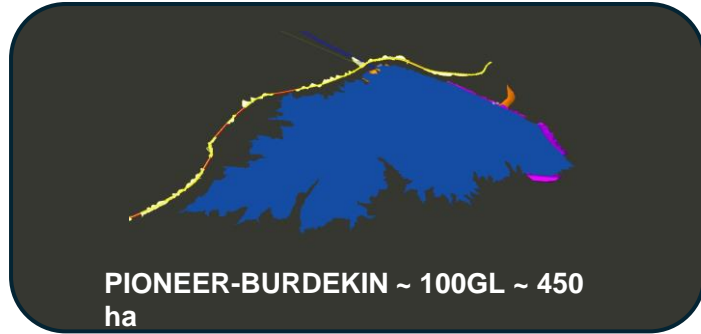
Figure 12: Storage duration and capacity comparison for Australian energy storage projects

# CSIRO projection of capital costs by technology type (2022-2023)



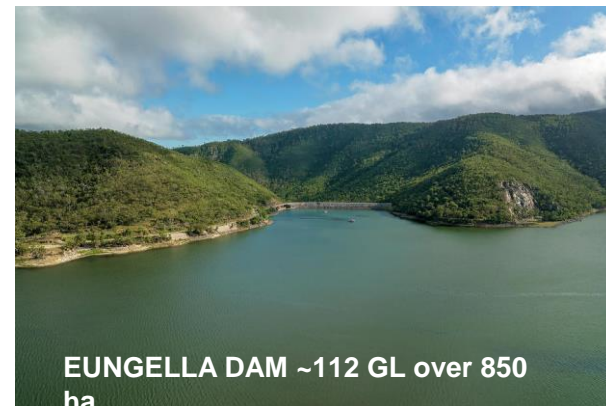
# Understanding reservoir surface area and volume

The following provides an indicative comparison based on the current design:

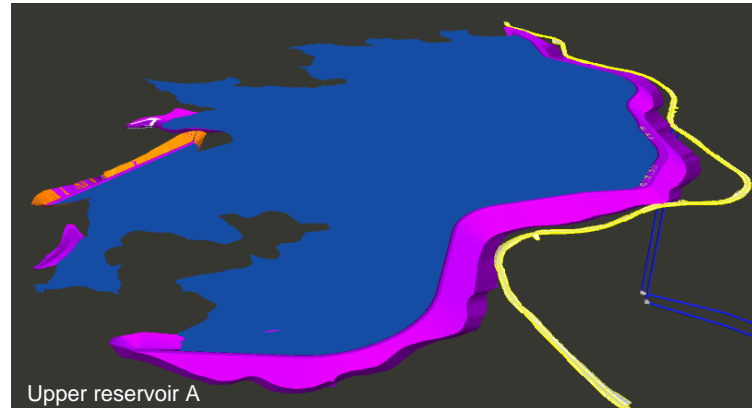
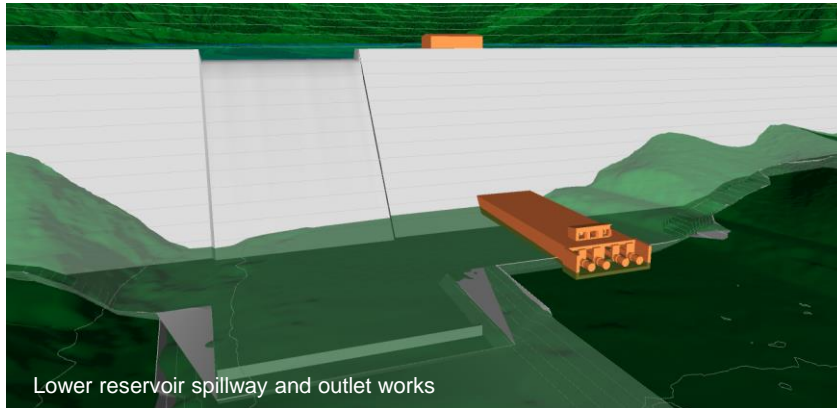
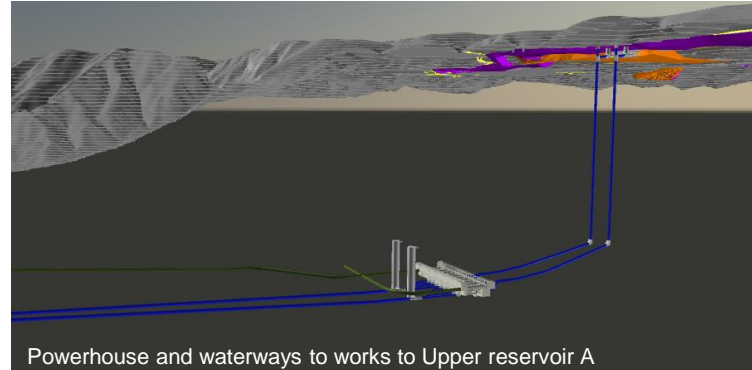
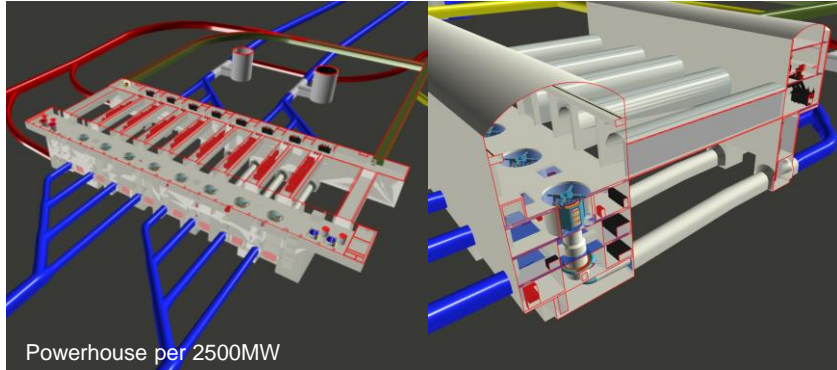


**Volume**  
equivalent to  
local reservoirs

**Surface area**  
~ ½ size of  
local reservoirs



# Pioneer-Burdekin Design Overview



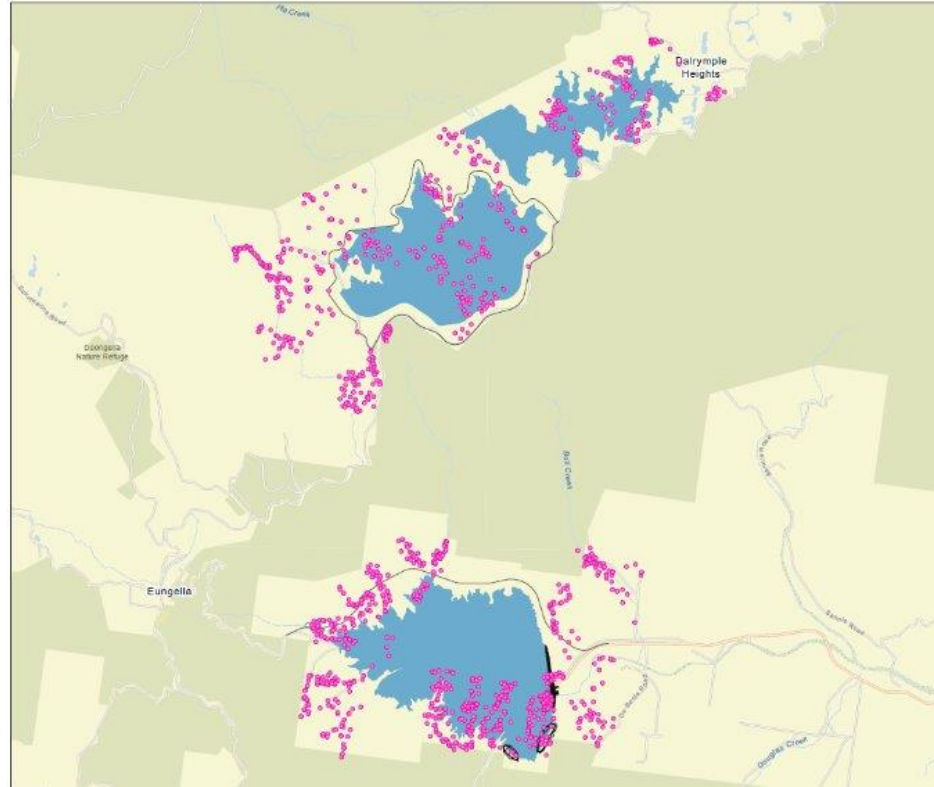
# Current activities

- Types of studies

- Pre disturbance ecological and cultural heritage surveys
- Air, climate change and greenhouse gases
- Noise and vibration
- Landscape and visual amenity
- Terrestrial and aquatic ecology
- Fluvial geomorphology
- Water and sediment quality
- Groundwater
- Soils and agriculture
- **Social**
- Historic heritage
- Social impact evaluation
- Catchment water balance
- Aquatic fauna passage
- Erosion and sediments
- Bore census
- Sediment quality
- Contaminated land
- Waste management



## Current activities

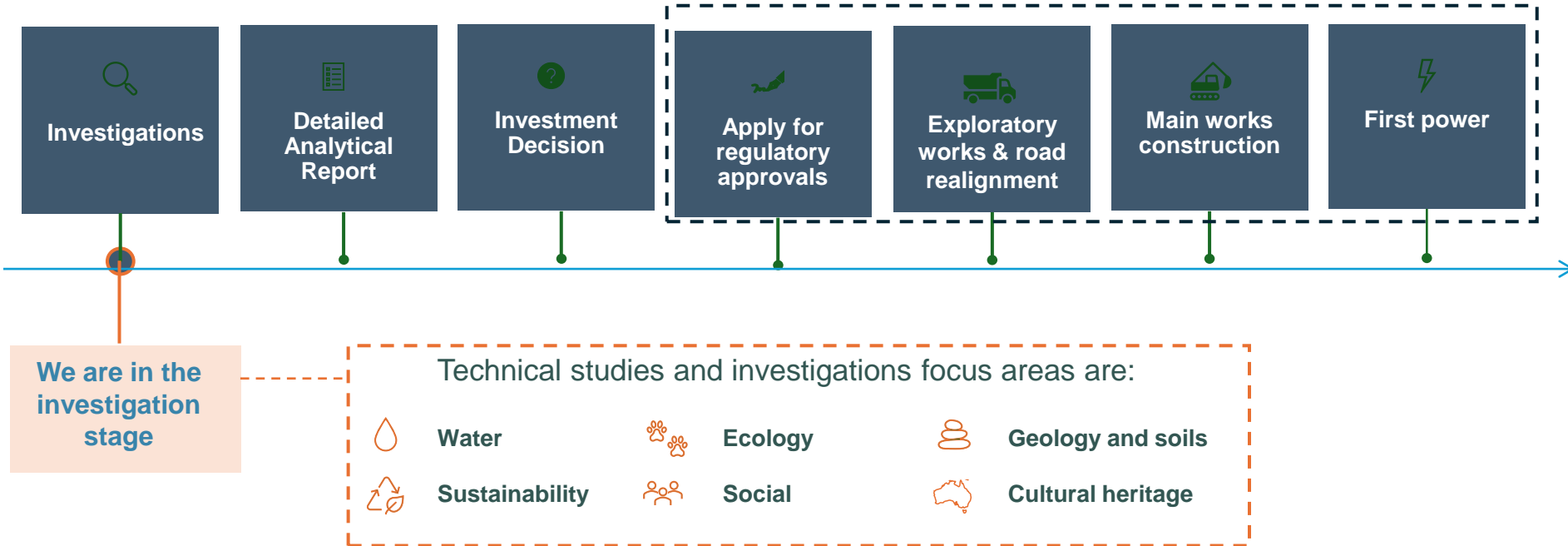


*Aquatic studies*

*Initial terrestrial studies*



# Proposed Pioneer-Burdekin Pumped Hydro Project



How can we provide jobs  
and support communities,  
business and industry?

Hydro  
IS HOW.

# Industry and employment opportunities

## Stephen Burt - Twin Hills Engineering and Drilling (Owner)

*“This project has put us in a whole new space and has allowed us the opportunity to start working in the renewable energy industry and diversify our business.”*

*“We’ve been able to employ 12 new people directly, and a further 10 indirectly.”*

\$20,000 a week into the local Mackay economy, including:

- \$7,500 in accommodation and meals
- \$2,500 in fuel
- \$13,000 in the day-to-day activities

*“What we’re doing will mean more jobs kept in Queensland, and the feeling in the business community is that this is great for Mackay.”*

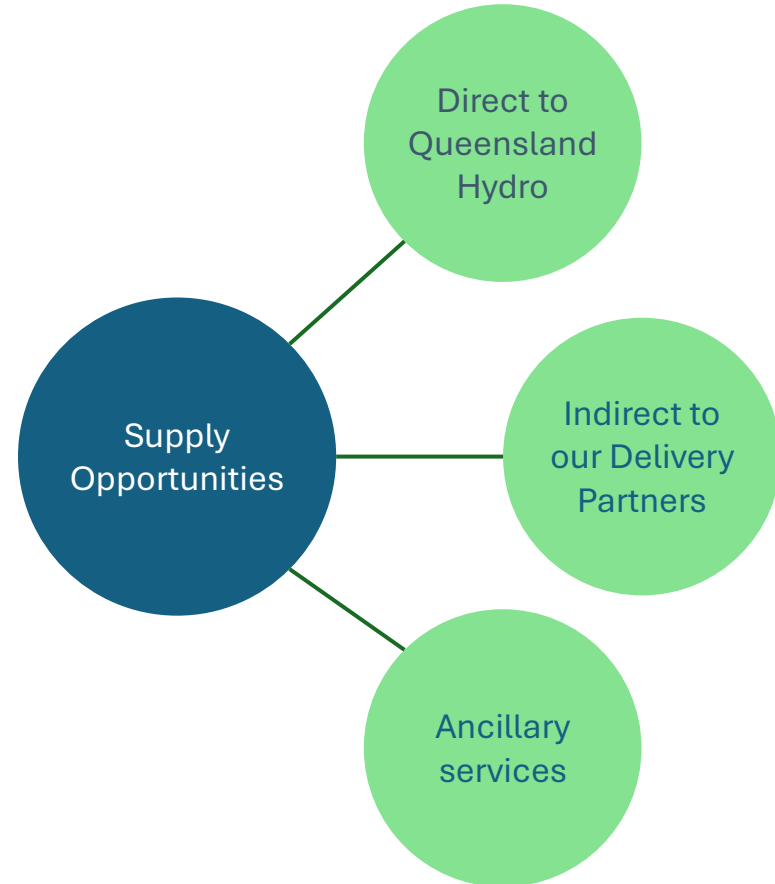


# Supply opportunities with Queensland Hydro

- Our goal is to provide full, fair and reasonable opportunity to Australian entities – particularly local and indigenous businesses.
- **We will:**
  - support quality, secure jobs
  - buy from local businesses, suppliers and manufacturers, and
  - build resilience and prosperity in our regions

## Priority areas:

- Local industry and workforce participation
- Workforce development
- Diversity and inclusion
- Future talent and capacity development
- Industry partnerships and collaboration



# Examples of Borumba Project exploratory works packages



Underground Works



Temporary Accommodation



Survey Control Works



Temporary Access Bridges



Geotechnical Drilling



Technical Assurance



Civil Construction Works

# Next Steps

## Register your interest

[pioneer-burdekinpumpedhydro.icn.org.au](http://pioneer-burdekinpumpedhydro.icn.org.au)

## Submit EOIs/ Tenders for work packages

[qtenders.epw.qld.gov.au](http://qtenders.epw.qld.gov.au)

## Find out more

[qldhydro.com.au/suppliers](http://qldhydro.com.au/suppliers)

Hydro  
IS HOW.

# Thank you

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## Get in touch

1800 875 099  
[info@qldhydro.com.au](mailto:info@qldhydro.com.au)  
ABN 81 661 444 515

[qldhydro.com.au](http://qldhydro.com.au)



## Broadsound Solar Farm

**Peter Campbell, Chief of Staff and Strategy**

Iberdrola Australia



**Queensland**  
Government



# Broadsound Solar Farm and BESS

5<sup>th</sup> September 2024

## 01 The Project

Peter Campbell,  
Chief of Staff and Strategy, Iberdrola Australia

## 02 Beon ES

Oana Cochrane,  
Project Lead  
Training, Employment, Social Procurement

## 03 Yurika

Rolf Collette  
Project Director, Yurika



# Acknowledgment of Country

Iberdrola Australia respectfully acknowledges the First Nations people of Australia and their enduring connection to their ancestral lands and waters. We pay our respects to the First Nations people who have gone before, who are living today and who are yet to be born. We honour the Aboriginal and Torres Strait Islander peoples, their living experiences, and their enduring connection with Country to which they belong.



# Our Assets

239

employees

10 sites

operating/under construction

5 Firming Assets

including batteries & gas turbines

3 Offices

in Sydney, Brisbane and Melbourne

+5GW Pipeline

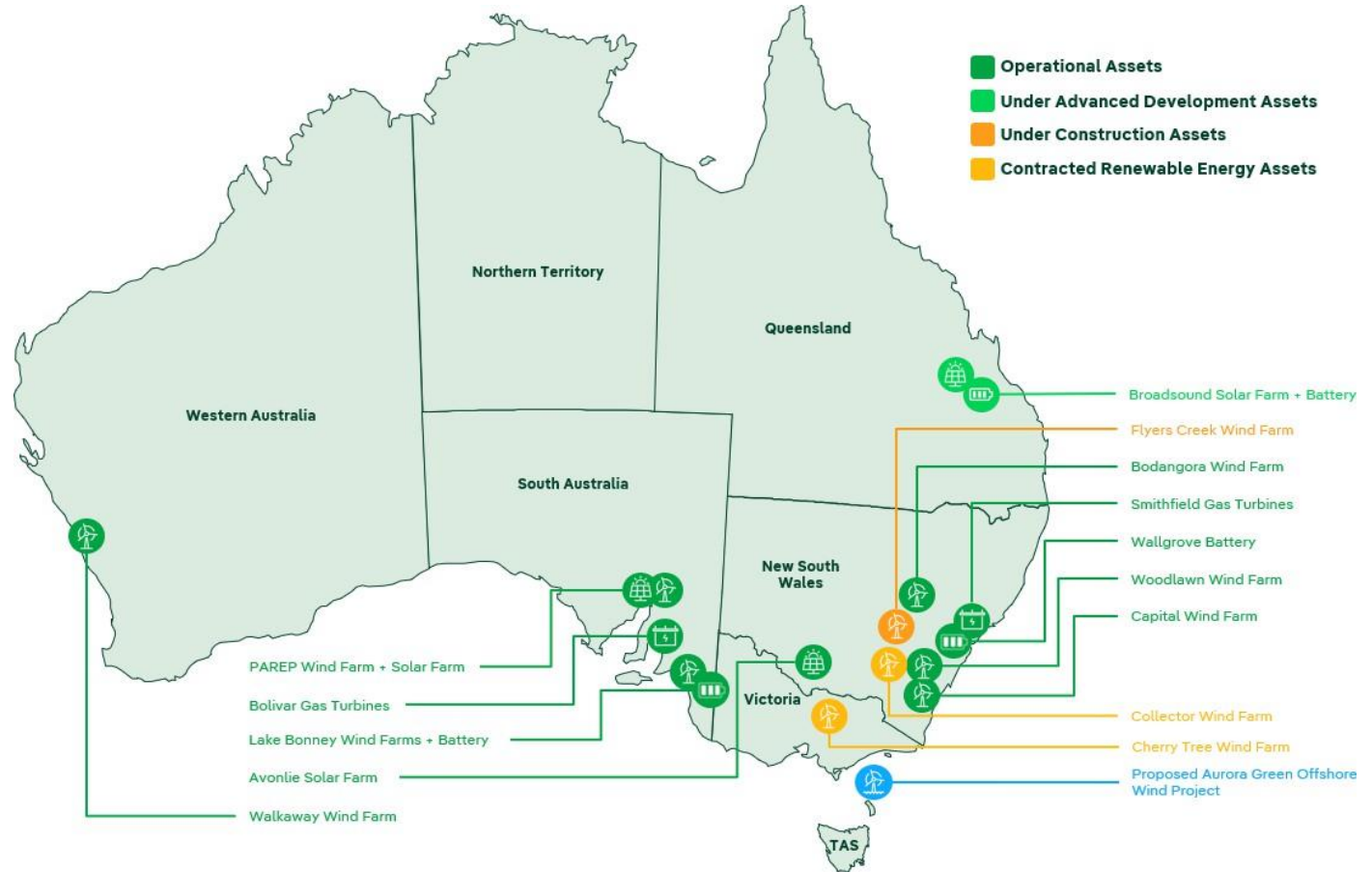
Onshore across NEM

Aurora Green

~3GW offshore license in Gippsland

Networks

Positioned for networks growth



We generate and source renewable energy



We add value by firming



We design & deliver renewable energy transmission connections

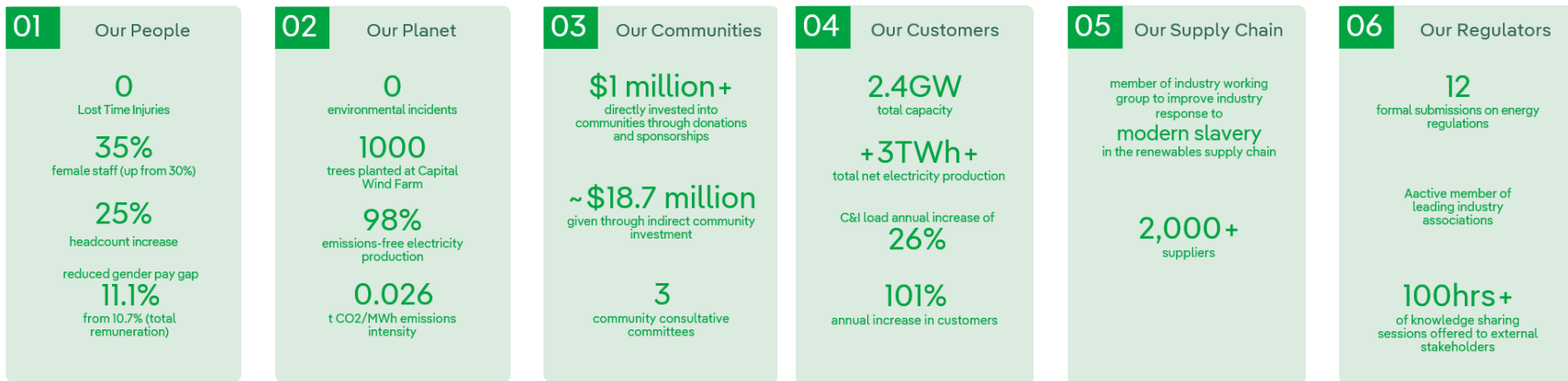


We provide customers with reliable supplies of clean energy including behind the meter solutions



By combining intermittent renewables with fast-start firming assets, we offer our customers reliable and competitively priced clean energy while supporting communities and protecting the environment.

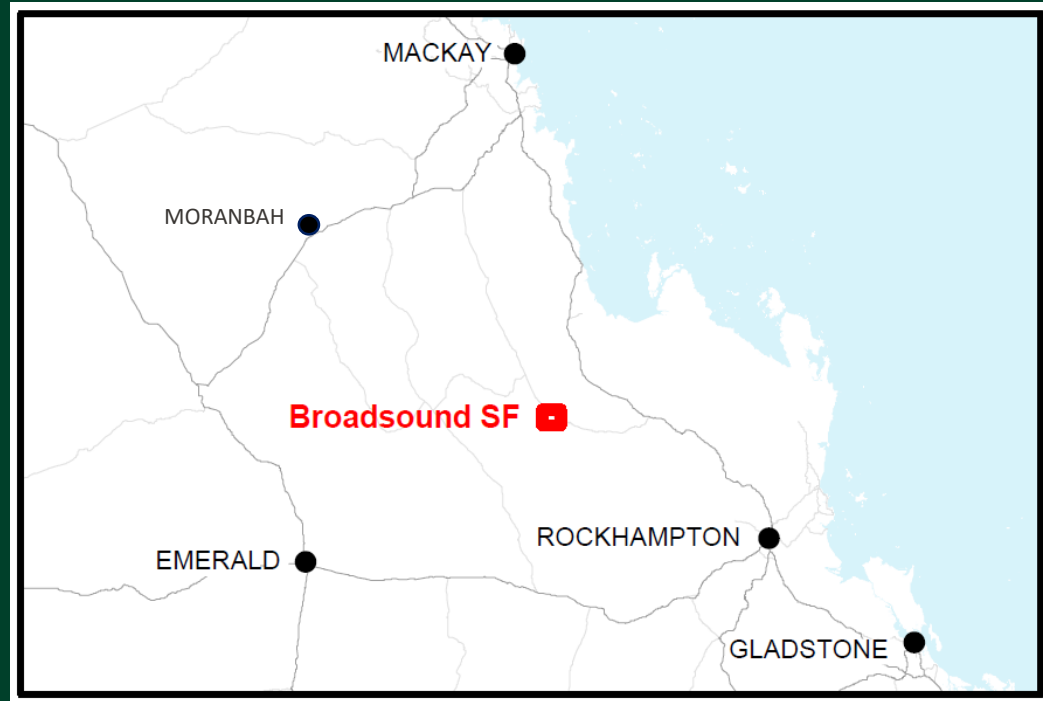
# Our Sustainability Performance in 2023



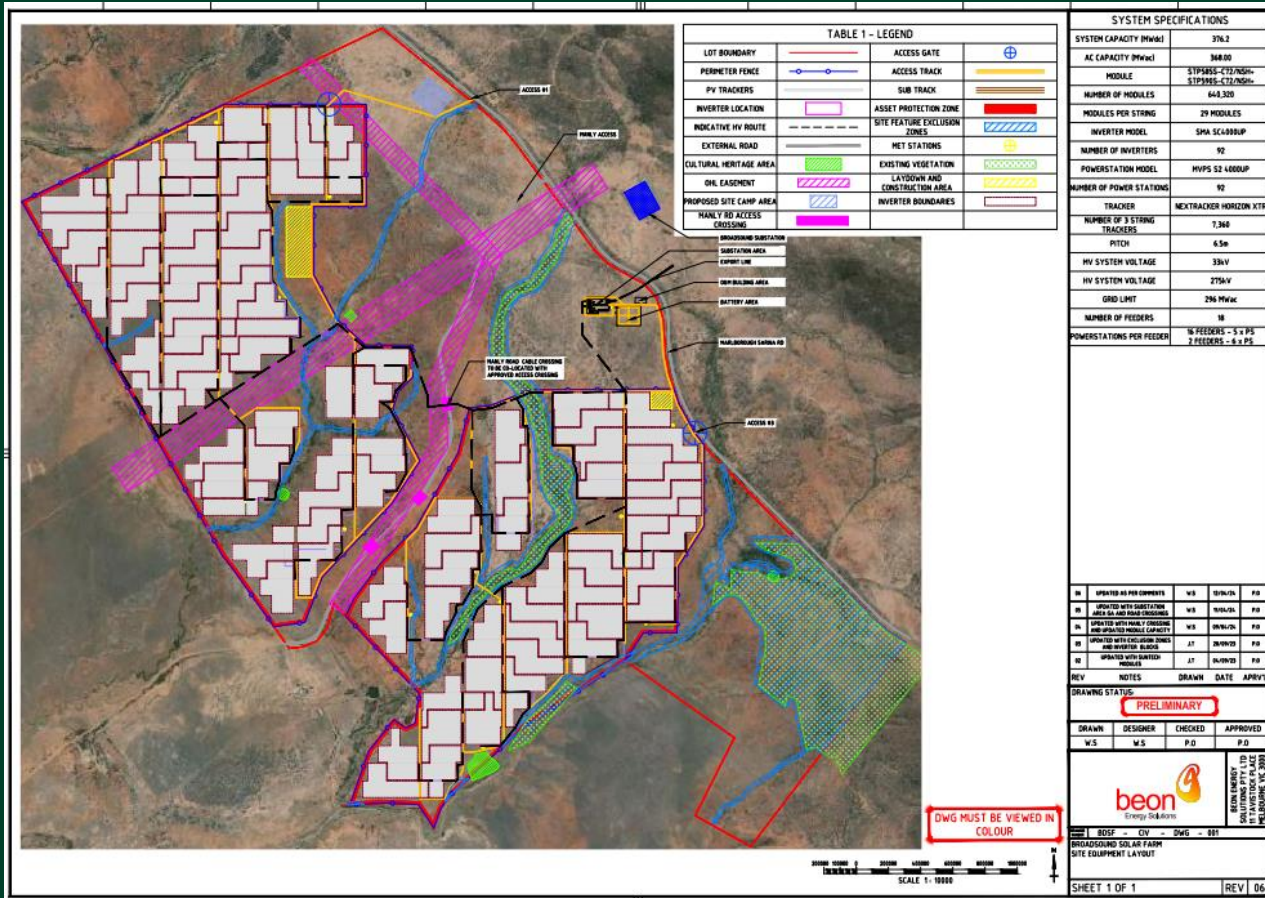
We are committed to creating shared value for all our stakeholders.

# The Project - Location

- Located 170km north west of Rockhampton
- Located within Isaac Regional Council
- Opposite Powerlink's Broadsound Substation



# Broadsound Solar Farm and BESS- Design



- 368MW Solar Farm
- 640,364 solar panels
- 92 Invertors
- 180MW Tesla Battery
- 2 hour
- 96 Megapacks
- Connection into Broadsound substation
- 400 person construction camp



# Broadsound Solar Farm – Site Photos



Substation Site – 14/05/2024



Construction Camp Site –  
29/08/2024



Powerlink Substation –  
08/03/2023 [Internal Use](#)



BKY CH Survey –  
08/2020



# BEON Energy Solutions:

A future-focused energy solutions business with a heritage in safety and reliability.

**Mission:** Deliver high quality projects safely, on time and within budget while making a positive contribution to the local community.

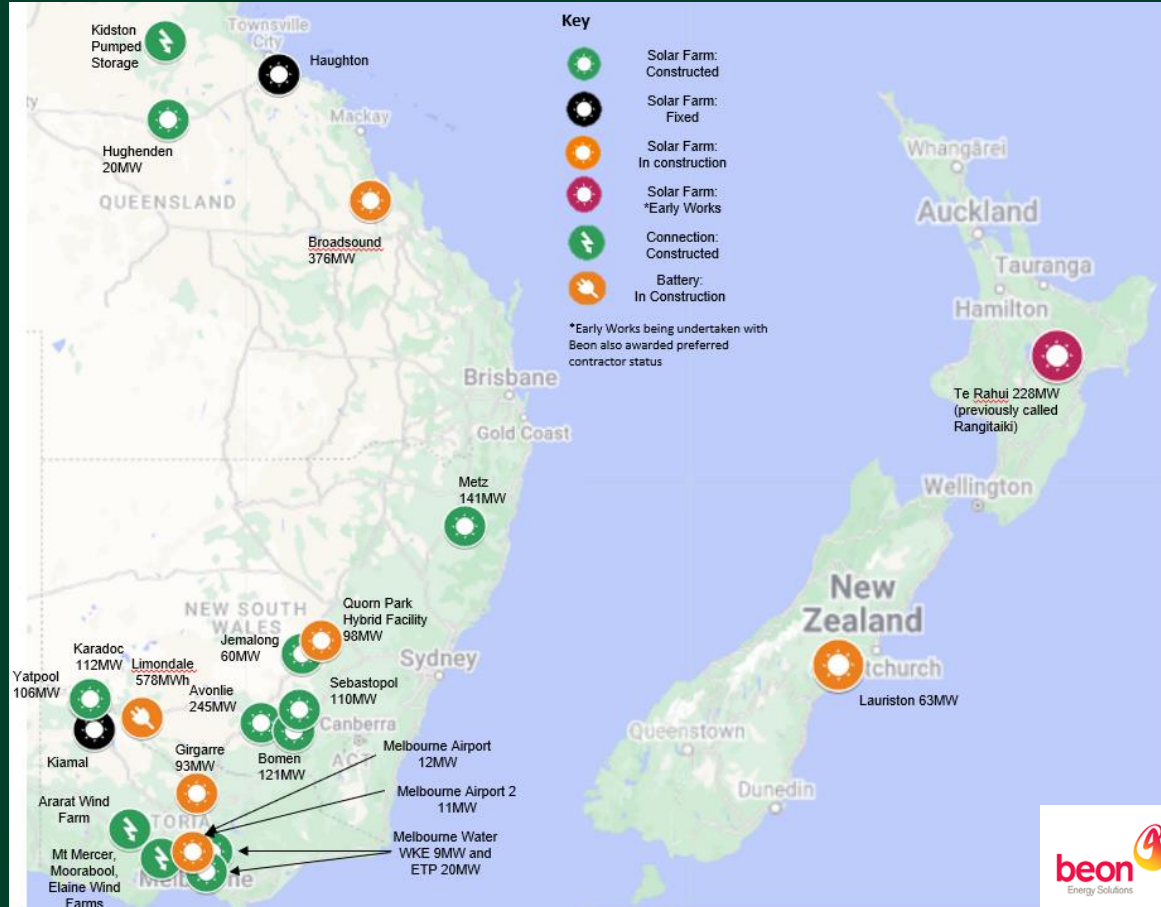


Beon is a leading EPC company with the construction and connection of approximately 2 GW of renewable generation assets, as well as the on-going operations & maintenance activities on numerous solar farms.

We currently have projects spanning across multiple states in Australia and have recently moved into New Zealand.



# BEON – Projects Overview



# BEON – Employment, Social Procurement & Sustainability

Beon has been nominated by the Clean Energy Council four of the past five years as a finalist for best practice for Community Engagement on various projects.

In 2024, Beon won the award for Best Practice for First Nations Engagement for the Girgarre Solar Farm.

Beon's approach to Community Engagement includes:

- Early and meaningful engagement with key stakeholders
- Relationship building with local First Nations communities
- Providing employment opportunities for local women and men
- Providing support for people facing barriers to employment
- Creating a physically and culturally safe work environment
- Building transferable skills for the future
- Supporting local and First Nations businesses
- Providing opportunities to social and disability enterprises

Additionally, we are looking at opportunities to:

- Decrease emissions and improve energy efficiency
- Minimise waste, pollution and water use



Women in Solar program: Avonlie SF



First Nations Engagement: Avonlie SF



Pre-employment TAFE program: METZ SF



Vivid disability enterprise: Girgarre SF





## Service Contracts

- Fencing
- Security - Static Guard
- Slashing
- Time Lapse Camera and Service
- UHF Radios
- Weed Spraying
- Crane Hire
- Tyres, Batteries & Exhaust
- Equipment Hire
- Coach/ Bus service
- Metal Fabrication
- O&M Building Warehouse
- Snake Catcher

## Store Accounts

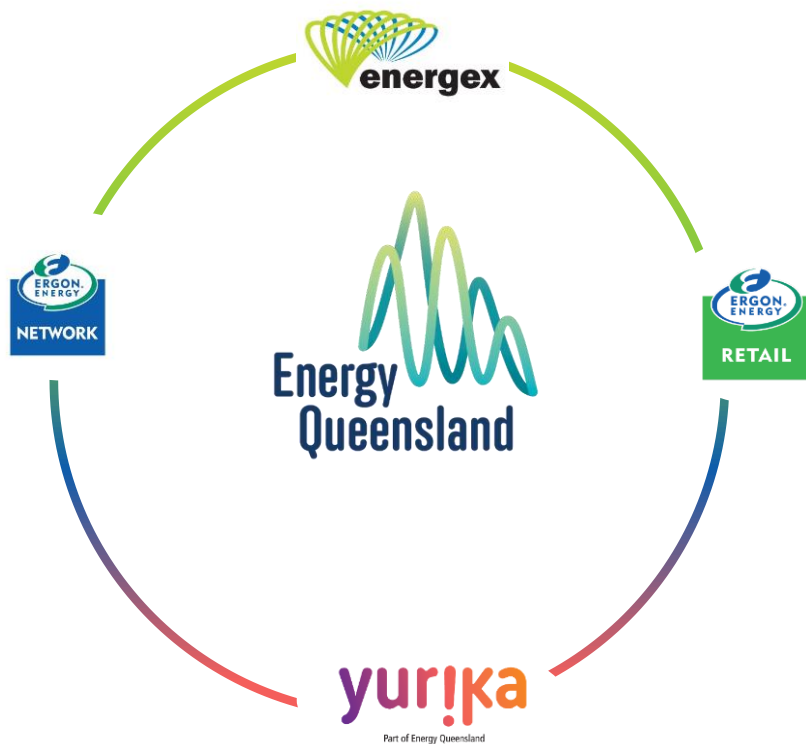
- Stationery Store Acc
- Bolts/Washers etc
- Amenities Supplies + Cleaning
- Hardware Store Acc

# yurika

Part of Energy Queensland



## About Energy Queensland



### Our numbers

**7,679**  
employees

2.3 million  
connected customers

graduates and  
apprentices **486**

**758,000**  
retail customers

**183,000km**  
overhead powerlines

1.7 million  
**power poles**

29,000km  
underground power cables

**3** customer  
solutions  
centres **3** network  
control  
centres

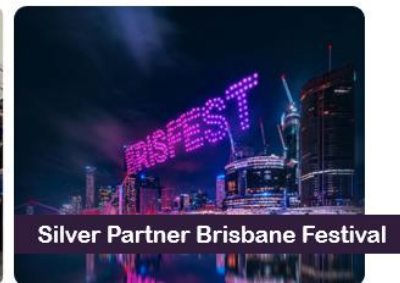
**33** **41**  
stand-alone  
power stations large-scale solar  
renewables connected

**737,500**  
small-scale solar energy systems connected





We're embedded in communities by supporting local initiatives and events across Queensland



## Our projects



yurika

# Our projects



# Our projects



# Our projects



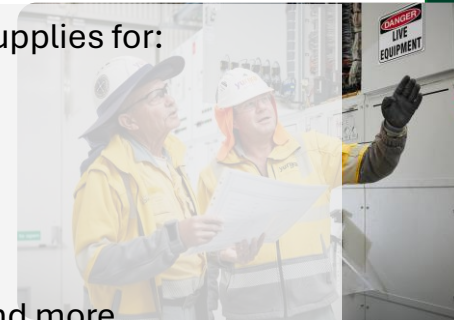
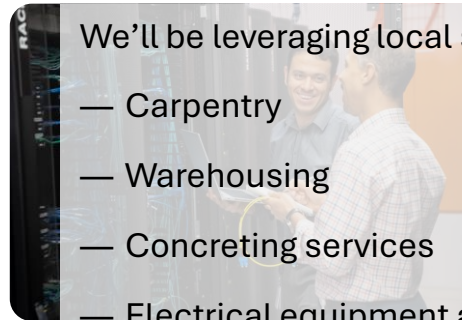
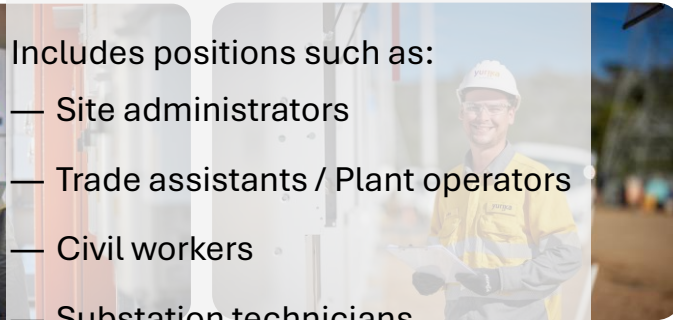
# Engaging local hires and suppliers

We're commencing a Mackay and surroundings recruitment campaign.

Includes positions such as:

- Site administrators
- Trade assistants / Plant operators
- Civil workers
- Substation technicians
- Cable jointers.

These positions will be reporting to the current Construction Manager, a Mackay local resident.



We'll be leveraging local supplies for:

- Carpentry
- Warehousing
- Concreting services
- Electrical equipment and more







## Capricornia Energy Hub

**Matthew Buchanan, General Manager  
Environment and Stakeholders**

Capricornia Energy Hub



**Queensland  
Government**

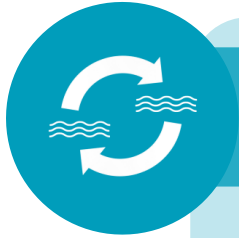


# Capricornia PHES and Transmission Project

Greater Whitsundays Regional Project Forum  
September 2024



# The Project



## PHEs

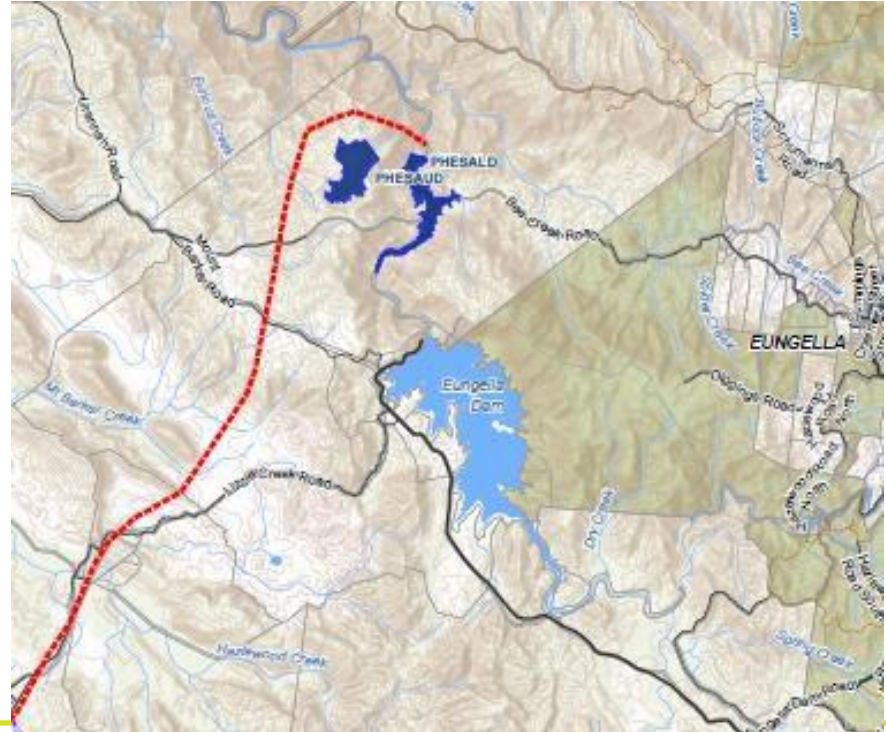
750MW & 16 hours of Storage

- Two water reservoirs
- One power house
- Connecting pipeline
- Designed to support CS Energy planned portfolio transition



## Infrastructure

- Upgraded and new roads
- Temporary construction camps
- 18km of new transmission line
- New substations and switchyards



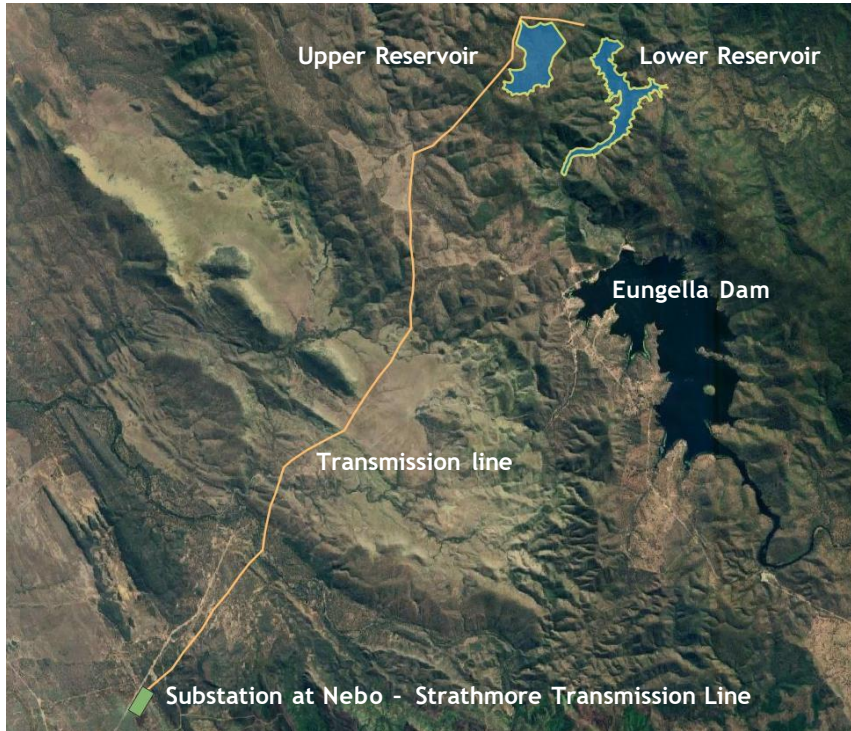
# Project Location



## Located:

- About 4km downstream of Eungella Dam
- On Private property - mainly grazing, pastoral lease land
- Not in National Park or State Forest
- On Widi Country

# Main Project Components



**Reservoirs** - about 7km downstream of Eungella Dam

**Powerhouse** - underground between upper and lower reservoir

**Transmission line** - west from reservoirs to Nebo-Strathmore line.

**Substation** - connecting project transmission line to grid

**Site access** - from Nebo and Turrawulla Rd

# Main Project Components

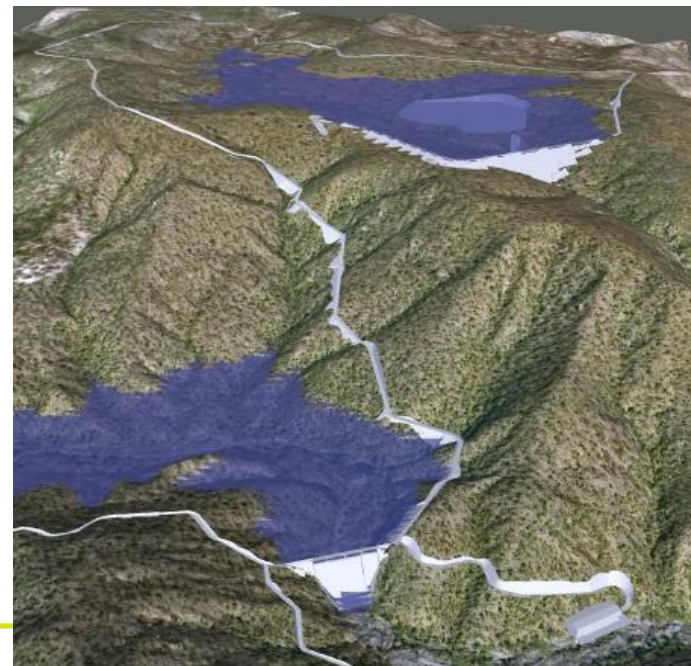
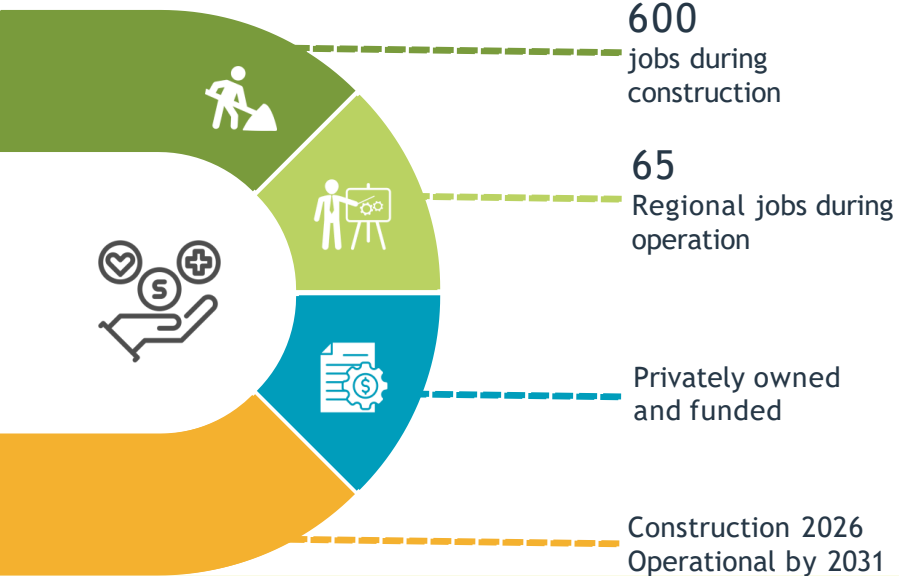
## Permanent

- Reservoirs and walls
- Transmission line
- Underground powerhouse
- Tunnels
- Switchyards and substation
- Roads and access tracks
- Administration buildings and workshop

## Temporary

- Accommodation camp near upper reservoir
- Laydown Areas
- Stockpiles
- Crushing plants
- Concrete Batching Plants
- Workshops

# The Project



# About Us



## » COPENHAGEN INFRASTRUCTURE PARTNERS (CIP)

### » Owner/Investor

» Copenhagen Infrastructure Partners is the world's largest dedicated greenfield clean energy investor, with a market-leading portfolio totaling more than 90GW across offshore and onshore wind, solar, energy storage, and renewable hydrogen. CIP has around A\$40 billion under management from more than 160 institutional investors globally, including Australian superannuation funds, and has an ambitious target of raising around A\$180 billion for green energy investment by 2030.

» CIP acquired the project in December 2022.

Copenhagen Infrastructure Partners



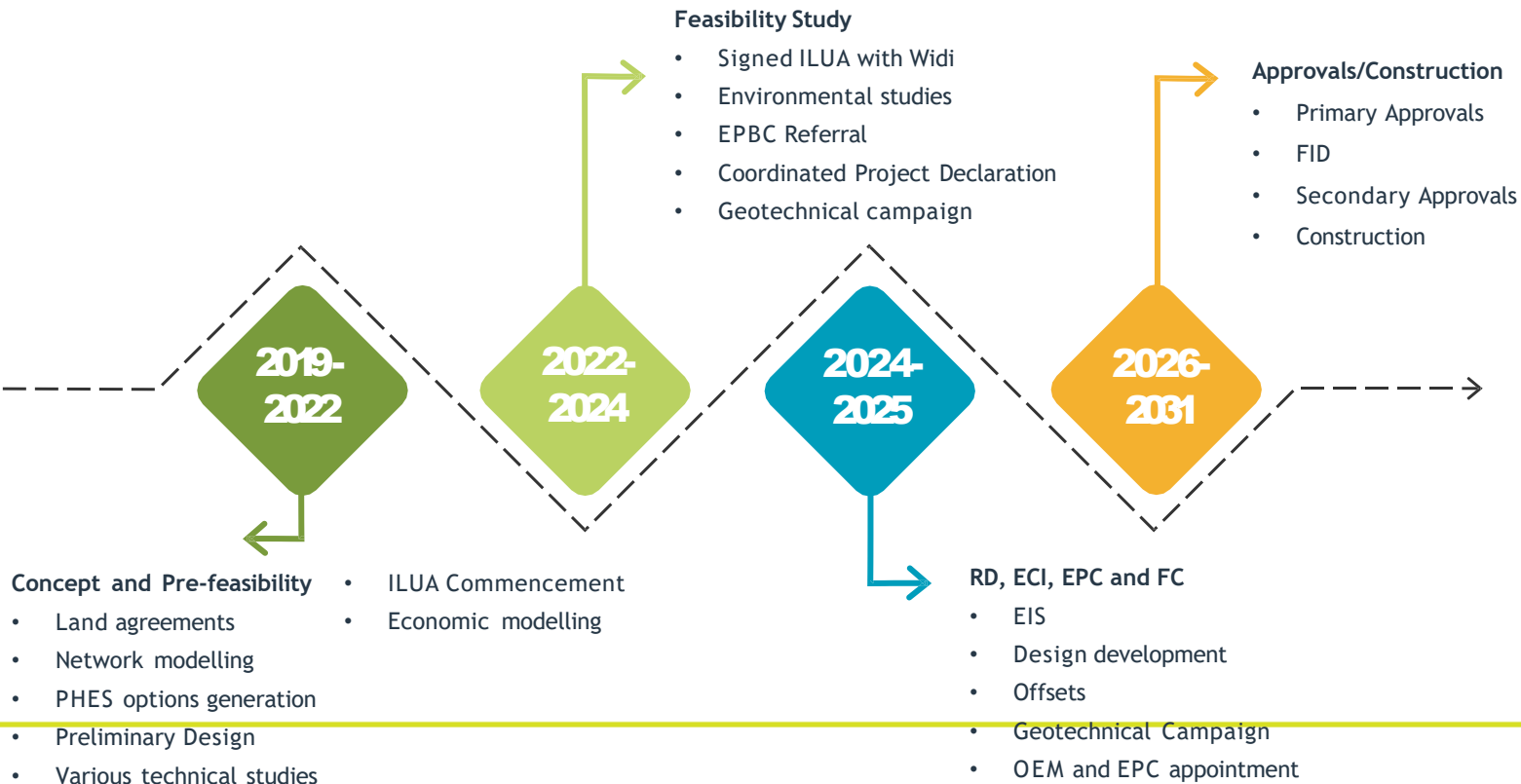
## CS ENERGY Offtake/Operator

In 2022, the project entered into an exclusive MOU with CS Energy (CSE) for the operations, maintenance and trading of the CCEH. Since that time the project development has continued including has worked with CSE to reconfigure the PHES to meeting CS Energy's portfolio requirements.

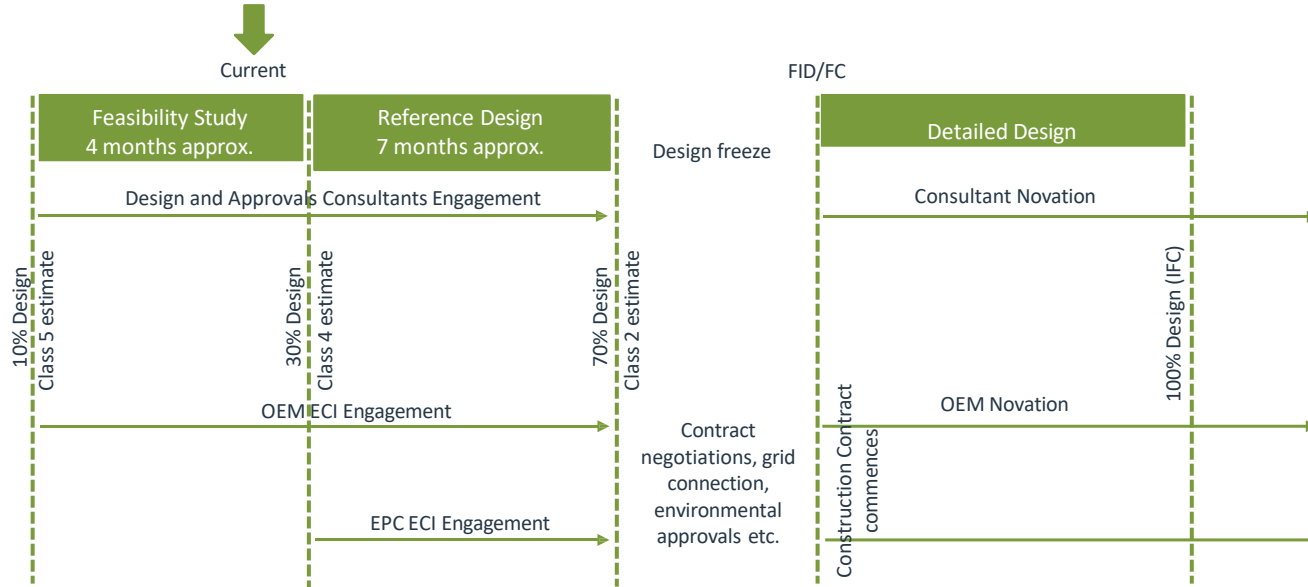
CS Energy is a Queensland owned and based energy company that provides reliable, competitively priced electricity.



# Project Timeline and Milestones



# PHES - Design and Construction



Planning  
(2019)

Design &  
Approvals  
(2020-2025)

FC  
(2026)

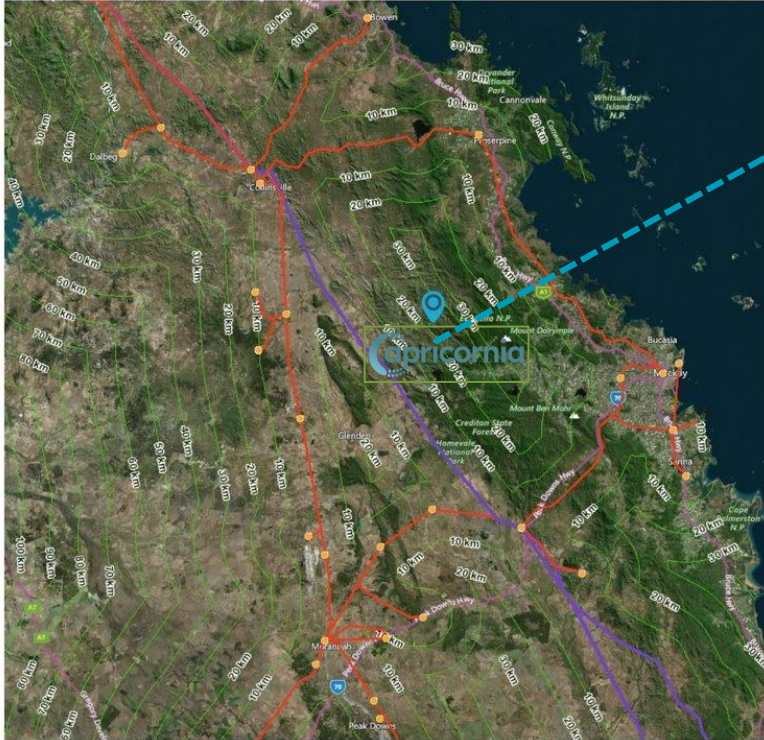
Construction  
(2026)

Operation  
(2031)





# Transmission Lines and Grid Connection



- Finalised transmission lines location
- Only 18km new transmission lines
- Minimised impacts
- 150 ha impacted
- Connect directly to existing Nebo to Strathmore Powerlink network
- CEH will build transmission lines



# Road Upgrades and Transport Routes



# Approvals

- State approvals
  - Declared a Coordinated project by OCG in April 2024
  - Draft Terms of Reference comments closed
- EPBC
  - 2 x EPBC referrals as controlled actions
- Appointed GHD as EIS and approvals consultant
  - Draft ToR comments closed
  - EIS drafting commenced
  - Limited additional studies required to complete
- Key approving agencies:
  - DAF - Aquatic ecology and offsets
  - DOR - Leasehold land, Burdekin Basin Management Plan, Vegetation Management Plan, Integrated IQQM model for cumulative impact.
  - DTMR - Road upgrades, closures
  - Sunwater - Integration into existing Broken Bowen Water Scheme, Aquatic offsets
  - Isaac Regional Council - Road upgrades
  - Mackay Regional Council - Road upgrades, capacity building
  - DCCEEW - MNES, offsets

Planning  
(2019)

Design &  
Approvals  
(2020-2025)

FC  
(2026)

Construction  
(2026)

Operation  
(2031)



# CEH Procurement Approach

## CEH procurement is:

- Market based, open, using clear EOI and RFP processes
- Full, fair and reasonable
- Innovative and flexible
- Collaborative and consultative
- Committed to follow up with all suppliers

## We support:

- Ethical, responsible business practices
- Local supply chains & indigenous businesses
- Good community and supplier relationships
- Govt local content & emission reduction targets

## Centred around 6 key principles

1. Achieve Value for Money
2. Apply Responsible Procurement
3. Behave ethically, embed integrity, probity, accountability
4. Be leaders in procurement practice
5. Collaborate for more effective outcomes
6. Support Strong Governance and Planning

## How to engage with the project:

- Email us: [info@capricorniaenergyhub.com.au](mailto:info@capricorniaenergyhub.com.au)
- We now use Felix used as our procurement hub
- Register as vendor on our Felix web portal: [https://ceh.felix.net/panel\\_registration/ceh\\_registration](https://ceh.felix.net/panel_registration/ceh_registration)

## Our approach is designed to comply with:

- CEH Australian Industry Participation Plan
- Queensland Procurement Policy
  - Queensland Renewable Energy Procurement Policy
  - Queensland Best Practice Procurement Principles
  - Queensland Ethical Supplier Framework
  - Queensland Charter for Local Content

# CEH Procurement Principles

## 1. Achieve Value for Money

- Market based framework with value for money framework embedded
- Evaluation considers non-price/price criteria
- Supports opportunities for local and first nation businesses

## 2. Apply Responsible Procurement

- Ethical supplier standards/Code of Conduct applied
- Eliminate modern slavery
- Remove disability discrimination
- Support ending domestic and family violence

## 3. Behave ethically and embed integrity, probity, accountability

- Clear, full, fair and reasonable tender process that is fair and impartial
- Local industry has same opportunity as other suppliers.

## 4. Be leaders in procurement practice

- Continuous improvement
- Build capability through professional development, enhanced system timeliness, quality

## 5. Collaborate for more effective outcomes

- Build a culture of collaboration

## 6. Support Strong Governance and Planning

- Facilitate decision-making - clear roles, responsibilities, reporting

## Queensland Local Content Targets:

- 3% of addressable spend from First Nations businesses
- 30% of procurement by value from Queensland SMEs.

## Queensland's emission reduction targets:

- 30% emissions reduction below 2005 levels by 2030
- 75% emissions reduction below 2005 levels by 2035
- net zero emissions by 2050



# Vendor Registration

The screenshot shows a web browser window with the URL [capricorniaenergyhub.com.au/local-opportunities/](http://capricorniaenergyhub.com.au/local-opportunities/). The website has a green header with the Capricornia Energy Hub logo and navigation links: OUR PROJECTS, COMMUNITY, NEWS, and CONTACT. The main content area features a dark grey box with the heading "Supplier Register" and the following text: "Capricornia Energy Hub are excited to announce an advancement in the way we manage our vendors and suppliers. We've recently implemented an online vendor management and sourcing system called **Felix** that will allow us to better record businesses who have expressed an interest in working on the project, issue and review quotes and better manage your business and compliance information for Capricornia Energy Hub." Below this, it provides contact information: "To register please email: [info@capricorniaenergyhub.com.au](mailto:info@capricorniaenergyhub.com.au)" and "Or visit the website: [https://ceh.felix.net/panel\\_registration/ceh\\_registration](https://ceh.felix.net/panel_registration/ceh_registration)". To the right of the text is a photograph of a laptop, a notebook, and a coffee cup on a table outdoors. At the bottom of the page, there is a "Get in touch!" section with the Capricornia Energy Hub logo, phone number (1800 979 886), address (36 Costin Street, Fortitude Valley), a "CONNECT" link to [info@capricorniaenergyhub.com.au](mailto:info@capricorniaenergyhub.com.au), and a newsletter sign-up form with an "Email" input field and a "Subscribe" button.

# Local Content + Opportunities

- Established a Community Benefit Fund with up to
  - » \$50,000 available every 12 months in two different rounds
- Set up a Vendor Supplier Portal
- Working with Resources Industry Network (RIN), GW3, CQU, CQ Tafe, CSE and Qld Hydro on a Renewable Energy, Skills and Training plan
- Developed a Pumped Hydro Jobs Guide and Onshore Wind Jobs Guide
  - Discussions with local Councils on materials/equipment
    - » transport and associated road/intersection upgrades
- Undertaking workforce mapping and skills requirements to identify capacity and capability building opportunities.
- Discussions with local community and landholders on potential construction camp locations, and long-term social infrastructure requirements to support
- Sponsor of RACQ CQ Rescue, Bowen River Rodeo, Mackay Magpies AFL, Widi NAIDOC Week Art Competition, Eungella Garden Club, Eungella Art and Craft Club and Member of the Mackay Chamber of Commerce
- Developed AIP Plan
- Queensland Charter of Local Content
- Entered into an ILUA with the Widi people which includes the establishment of a cultural centre at Nebo during construction. Widi people are already performing cultural heritage clearances for site activities.
- Developing Procurement Policy to align with objectives of QPP and BPP
- Ongoing discussions with Queensland Hydro on jointly funded local initiatives



# Any questions?

[www.capricorniaenergyhub.com.au](http://www.capricorniaenergyhub.com.au)  
1800 979 686

## STAY IN TOUCH



Contact us via email  
or website form



Meet with us or tell us  
about a community event



Follow us on Social Media



Call us or visit our website



Look out for our advertising  
and media articles



## Pipeline of opportunities for Greater Whitsunday Region

**Abhiney Arora, Executive Director – ICN Qld, General  
Manager – Supply Chain Qld**

Industry Capability Network



**Queensland  
Government**



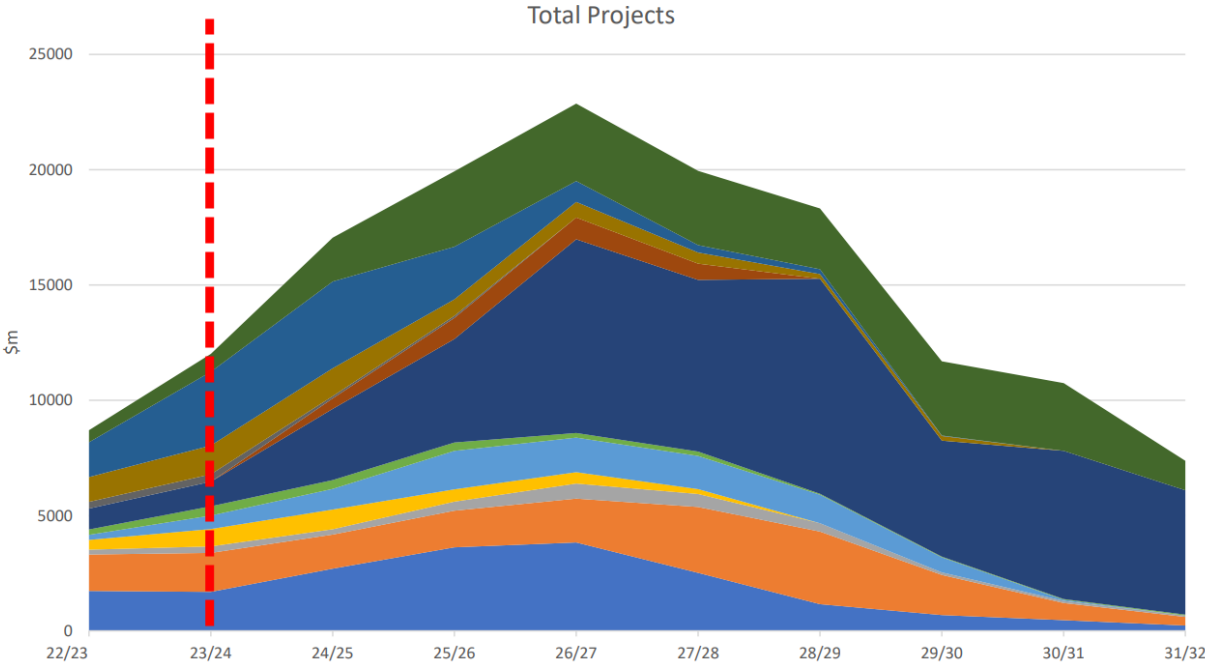
# Industry Capability Network (ICN) Queensland

Greater Whitsunday Regional Projects Forum



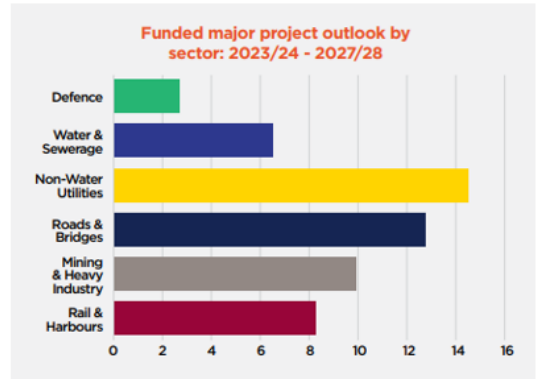
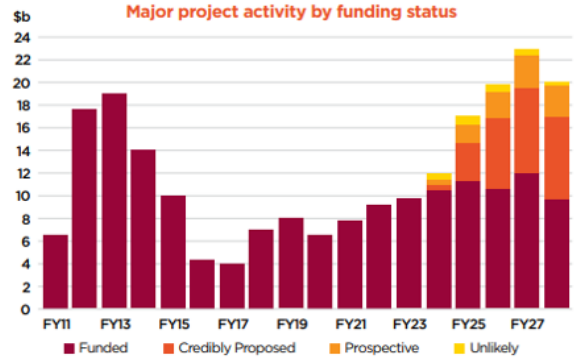
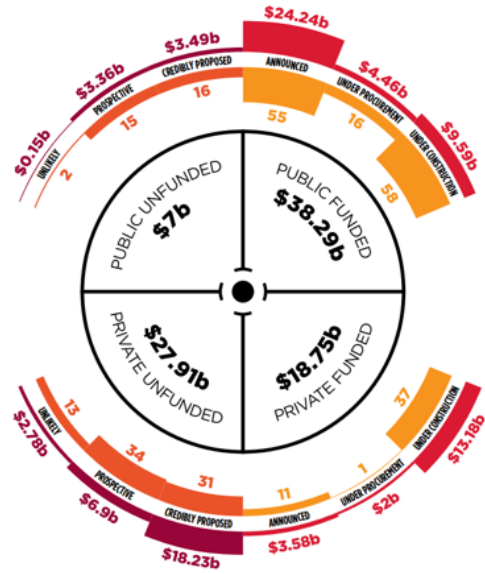
We respectfully acknowledge the traditional custodians of the land where we are meeting today and pay our respects to the elders, past, present and emerging.

# Major Project Outlook



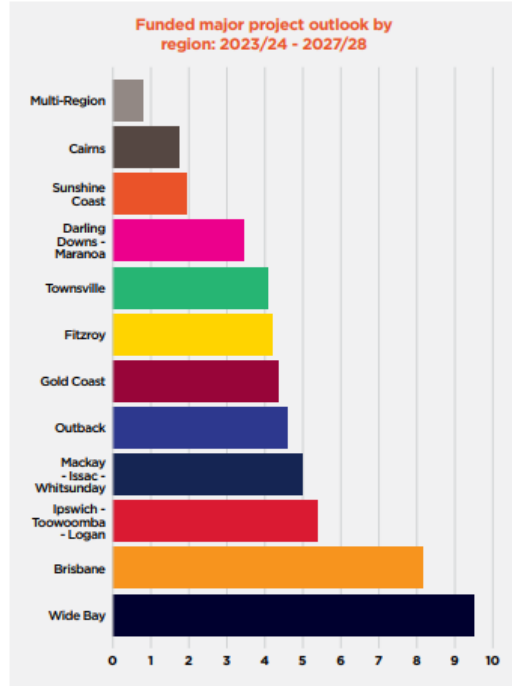
# Major Project Outlook

BELOW: Pipeline Summary. Source: Oxford Economics, QMCA member knowledge

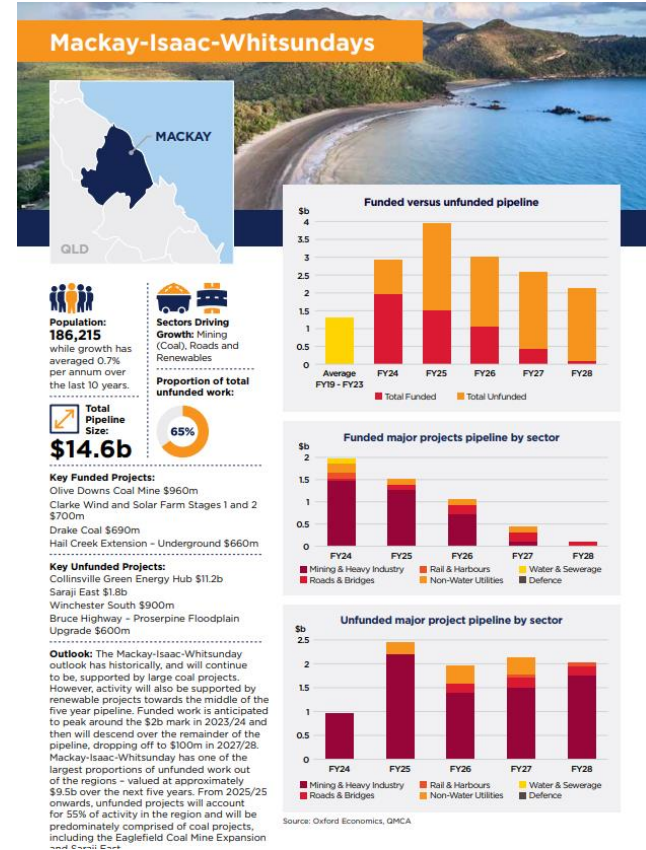




# MIW Project Outlook



Source: Oxford Economics Australia, QMCA member knowledge



**Driving economic growth in  
Australia and New Zealand by  
supporting local businesses  
through a trusted Network.**



# The numbers count

Since inception, we've helped local businesses find over \$50B+ worth of contracts to keep them working and growing.



**\$54.3B+**

Value of contracts awarded to Australian and New Zealand companies



**400+**

Australian and New Zealand suppliers joining every month



**100+**

Industry Specialists working to help save time and money in the procurement process



**95K**

Contracts awarded to companies through ICN

# ICN Queensland

A brand of the Queensland Manufacturing Institute



Facilitating full, fair and reasonable opportunity for local suppliers.

- Delivering procurement objectives in alignment with Department of State Development and Infrastructure (DSDI).
- Commercially supporting private industry pre and post tender.



Australian Industry Participation



Charter for Local Content



Queensland Indigenous Procurement Policy



Buy Queensland



# PAST PRESENT AND FUTURE

Dr Phillip Toner and Emeritus Professor Roy Green, UTS

“

## ICN stands virtually alone in Australia's barren industry policy landscape

Other reasons for ICN's success include its:

- methods to solve these problems are clearly articulated, subject to regular evaluation and demonstrably effective
- well-defined outcomes and unambiguous measures of success against stated objectives
- organisation, objectives and methods have evolved creatively in a rapidly changing economic and political environment
- governance model balances the efficiencies of centralisation with the benefits of decentralisation thereby stimulating flexibility in operation and innovation
- operation is not only self-evidently effective but also very efficient: an unintended legacy of extended financial stringency
- investment in new technology has been critical in the drive for efficiency and new revenue.
- longevity itself means ICN has had time to experiment, test ideas and correct and perfect its operational and administrative methods
- staff's professionalism, dedication and commitment to the public good.



Louise Waterfield, Derek Lark, Hon Pat Conroy MP, Warren Jansen, Mike Swart

### Rationale for ICN

ICN's reason for its existence arises from the asymmetry of information in a market economy and well-established constraints on the participation of domestic firms generally, and small-medium enterprises (SMEs) in particular, in private and public sector procurement.

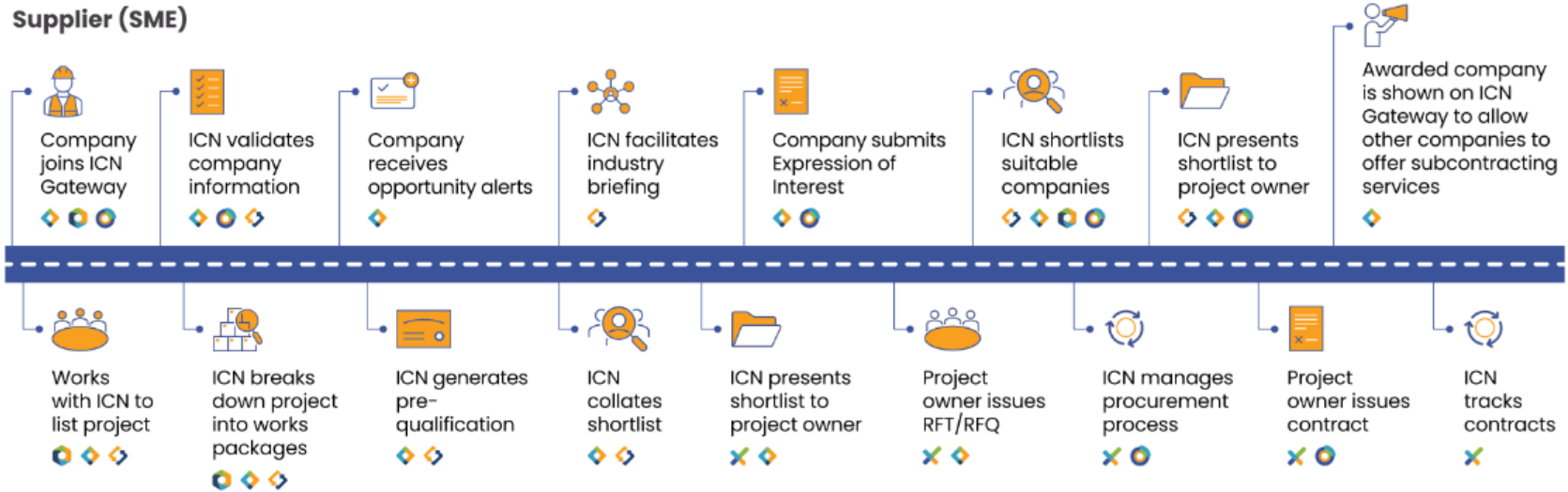
## PLAN FOR THE FUTURE

This section sets out suggestions to strengthen ICN and its core role in assisting local industry participation and capability development. These include:

- changes to the design of current procurement programs
- a significantly expanded role for ICN in promoting industry policy programs that lift firm capability such as the Industry Growth program
- participation in sovereign capability programs such alignment with the Future Made in Australia initiative
- identifying additional new funding sources
- continuing efforts to lift the recognition of ICN.

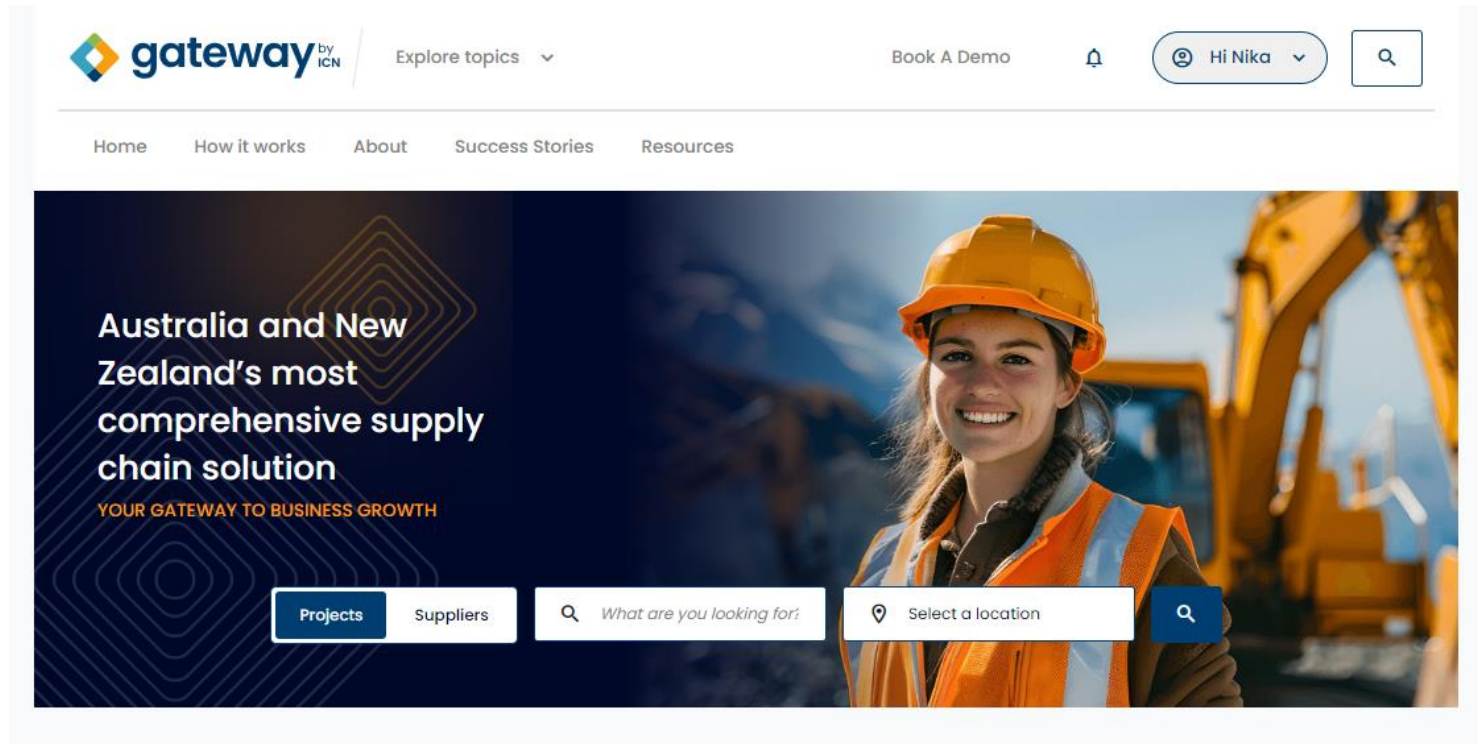
# ICN Ecosystem

## Supplier (SME)



## Project owner

# Gateway by ICN




The screenshot shows the homepage of the Gateway by ICN website. At the top left is the 'gateway by ICN' logo. To its right is a navigation menu with 'Explore topics' and a dropdown arrow. Further right are links for 'Book A Demo', a notification bell, a user profile dropdown showing 'Hi Nika', and a search icon. Below this is a horizontal navigation bar with links for 'Home', 'How it works', 'About', 'Success Stories', and 'Resources'. The main content area features a large hero image of a smiling woman in a yellow hard hat and safety vest at a construction site. On the left side of the hero image, there is text: 'Australia and New Zealand's most comprehensive supply chain solution' and 'YOUR GATEWAY TO BUSINESS GROWTH'. At the bottom of the hero image, there are four search filters: 'Projects', 'Suppliers', a search bar with the placeholder text 'What are you looking for?', and a location selector 'Select a location'.


# Some Opportunities

## Boulder Creek Wind Farm

Boulder Creek Wind Farm is an up to 372 MW on farm, located 40 southwest of Rockhampton and approximately 150km south of Mackay. The project is anticipating the investment decision in...

 12 Dec 2023

 26 Work Packages

 QLD Australia

## Clarke Creek Wind Farm

The Clarke Creek Wind Farm project, is located approximately 150km north west of Rockhampton and 150km south of Mackay. The project is anticipating the investment decision in...

 03 Dec 2018

 17 Work Packages

 QLD Australia

## Queensland Hydro - Borumba Pumped Hydro Project - Main Support Works

Borumba Pumped Hydro ProjectThe proposed Borumba Pumped Hydro Project is a 2000 MW pumped hydro energy storage system at Lake Borumba located in Imbil, west of the Sunshine Coast.T...


 14 May 2024

 13 Work Packages

 QLD Australia

## CopperString 2032

The Powerlink-led CopperString 2032 project involves building 840km of new electricity transmission line from just south of Townsville in the Burdekin region to Mount Isa in the west.


 20 Sep 2023


 48 Work Packages

 QLD Australia

## Gladstone SuperGrid Training Centre and Transmission Hub

In September 2022, the Queensland Government released its Queensland Energy and Jobs Plan (QEJP).

 29 May 2024


 37 Work Packages


 QLD Australia

## Lotus Creek Wind Farm Project

Lotus Creek Wind Farm is a proposed renewable energy project, 20km west of the town of St Lawrence, in Central Queensland. The project will consist of up to 55 Vestas Enventus turbines.

 14 Feb 2023

 45 Work Packages

 QLD Australia

## Pioneer-Burdekin Pumped Hydro Project

The Pioneer-Burdekin Pumped Hydro Project will play a critical role in helping meet the Queensland Government's renewable energy and net zero emissions targets, supporting the shift to a net zero economy.

 03 Apr 2024

 1 Work Packages

 QLD Australia







# Perspective by ICN


## SUPPLY MARKET ANALYSIS



### Comprehensive capability analysis of Australian businesses

Providing market intelligence to help with the development and refinement of contracting and procurement plans, as well as help you to identify key areas for expansion.




**HYDROGEN**


**BATTERY**


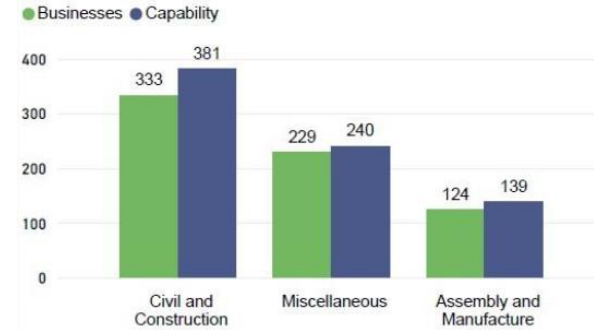

**SPACE**


**WIND**

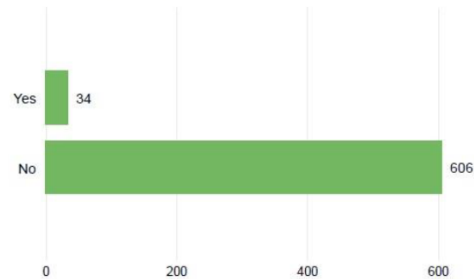
# Gap Analysis – Queensland Companies



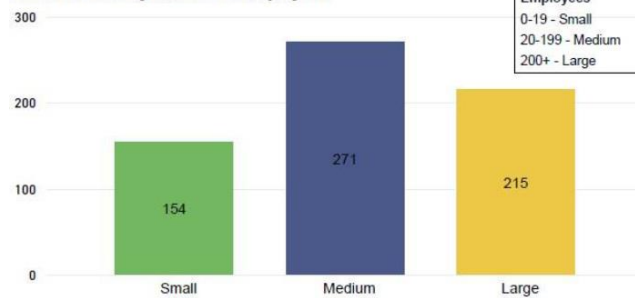
Capability Mapping - Unique Businesses Mapped to Categories



Companies by Indigenous Ownership



Business Size by Number of Employees



Employees  
0-19 - Small  
20-199 - Medium  
200+ - Large

# Interest from interstate businesses for QLD presence



# Gap Analysis Cont'd

## 1. ASSEMBLY AND MANUFACTURE WORK PACKAGES.

Work Package	Possibility of manufacture in Queensland
Steel Fabrication, Welding and Assembly - General	High
Substation and Switch Yard Construction	High
Transportable Switch Room Design and Manufacture	High
Wind Turbine Towers Mechanical and Electrical Fitout	High
Wind Turbines Tower Manufacture	High
Wind Turbine Blade Manufacture	Intermediate
Wind Turbine Construction and Commissioning Contractors	Intermediate
Wind Turbine Main and Yaw Gears Manufacture	Intermediate
Wind Turbine Nacelle Assembly	Intermediate
Wind Turbine Transformer Manufacture	Intermediate
Wind Turbine Bearing Manufacture or Assembly	Low
Wind Turbine Generator Manufacture	Low

### Hydrogen - Renewable Energy

BS - Battery - Manufacture  
 BS - Battery - Supply  
 CP - Feedstock Supply  
 CP - Biomass Gasification, Methanation, Pyrolysis, Auto Thermal Reforming, Steam Reforming  
 CP - Air Separation  
 Hydropower  
 SPV - Solar Control Equipment - Manufacture  
 SPV - Solar Control Equipment - Supply  
 + 26 more

### Hydrogen - Production

CCS - Carbon Capture Equipment - Manufacture  
 CCS - Carbon Capture Equipment - Supply  
 CCS - CO2 Transport  
 Electrolyser  
 Deionised Water Polisher  
 HE - Rectifier - Manufacture  
 HE - Rectifier - Supply  
 NP - Dehydrator - Manufacture  
 + 13 more

### Hydrogen - Storage

SBHS - Gaseous Hydrogen Storage - Manufacture  
 SBHS - Gaseous Hydrogen Storage - Supply  
 SBHS - Liquefied Hydrogen Sphere - Manufacture  
 SBHS - Liquefied Hydrogen Sphere - Supply  
 Metal Hydride Storage  
 SHS - Drilling  
 Subsurface Hydrogen Storage  
 + 5 more

### Hydrogen - Delivery

Delivery/Collection (milk round)  
 HC - Composite Cylinders - Manufacture  
 HC - Composite Cylinders - Supply  
 HC - Flow Assurance Gas Blending  
 HP - Network Owner/Transporter  
 Loading and Offloading Facilities  
 HRRT - Specialised Trailer - Manufacture  
 + 5 more

### General - Stairs and Platforms

Manufacture of stairs and platforms designed to meet specific safety standards and regulations, made of materials that are resistant to corrosion and environmental factors, such as steel or aluminium.

26  
 \$36M+  
 86  
 Eng

### Heat - Burners

Manufacture of burners used to generate heat or to combust fuel to produce energy used in processes such as biomass combustion, gasification, and hydrogen production by steam reforming.

2  
 \$20M+  
 68  
 Eng

### Heat - Process Heaters, Immersion Heaters, Superheaters

Manufacture of process heaters, immersion heaters, and superheaters used in renewable energy and hydrogen production processes.

6  
 \$54M+  
 103  
 Eng

### Heat - Hydrogen Gas Dryers

Manufacture of hydrogen gas dryers used to remove moisture from hydrogen gas.

0  
 \$0  
 0  
 Eng

### Hydrogen - Downstream Application

HFC - Hydrogen Fuel Cell - Manufacture  
 HFC - Hydrogen Fuel Cell - Supply  
 HRGA - Hydrogen Gas Compatible Stoves and Stove Tops  
 HRGA - Hydrogen Gas Compatible Ovens  
 HRGA - Hydrogen Gas

### Hydrogen - Common Elements Manufacture

CM - Catalyst for Chemical Processing  
 CM - Heat Transfer Fluids  
 Communication/IoT - Communication Equipment  
 Communication/IoT - Control Room  
 Compressors

### Hydrogen - Common Elements Supply

CS - Catalyst for Chemical Processing  
 CS - Heat Transfer Fluids  
 Communication/IoT - Communication Equipment  
 Communication/IoT - Control Room  
 Compressors  
 Cooling - Cold boxes and

### Hydrogen - Professional and Technical Services

EPC - Engineering and Design  
 EPC - Operations and Maintenance  
 EPC - Managing Contractor Room  
 FL - Banks, Private Equity  
 FL - Cost/Planning  
 FL - Economics/Business

# Battery Supply Market Analysis

24 July 2024

Queensland Government  
launches Battery Supply  
Chain Database to help  
manufacturers identify  
opportunities on Gateway  
by ICN



**How does it work?**

The Database is structured into the following segments

- ✓ Mining raw materials
- ✓ Refining to chemicals
- ✓ Active minerals and electrolytes
- ✓ Cell manufacturing
- ✓ Battery pack assembly
- ✓ Integration services and maintenance
- ✓ Re-use and recycling
- ✓ Equipment manufacturers
- ✓ Modelling and research and development
- ✓ Government



"Queensland's battery industry has the potential to contribute \$1.2B in GVA and produce 9,300 jobs by 2030"

Accenture

Access a copy here: The database is available for Universities, Industries, Suppliers, Manufacturers and Government Departments to download in Excel Format  
Updated: May 2024

**Advanced Materials and Battery Sector Highlights**

- **Meet demand**  
Australian domestic battery demand will total 90 GWh by 2030
- **Battery testing and certification facility operational**  
Queensland Energy Storage Technology Hub (Questhub)
- **Building networks with researchers, industry and policy makers**  
Australia Battery Day 21 November 2024 at UQ
- **\$170million Queensland investment**  
Critical Minerals and Battery Technology Fund



Australia's Leading  
Battery Supply Chain

BE PART OF THE BATTERY MANUFACTURING ECOSYSTEM

As global economies decarbonise, energy systems are rapidly transforming, bringing with them new economic and industry development opportunities which have the potential to deliver high value jobs and investment for Queensland.



# Alignment to GW RTS

- Working with various Renewable Projects for listing them on Gateway or mapping supplier capabilities.
- Broadsound Solar Farm, Copperstring 2032, Lotus Creek Wind Farm, Clarke Creek Wind Farm are very few examples.
- Seconded with Queensland Hydro to design and implement local industry participation strategy.
- In discussions with Airbus/Qantas for Sustainable Aviation Fuel Supply Chain Mapping.
- In advanced discussions with Brisbane 2032.
- Supporting Queensland's Big Build Program

## QUEENSLAND REGIONAL TRANSFORMATION OBJECTIVES

Resilient regions with diversified, value-adding industries and a highly skilled workforce

Sustainable regions with innovative industries that lead the way in a net zero economy

Thriving, liveable and inclusive regions that attract and retain people, businesses and investment

### Greater Whitsunday Priorities



#### METS capabilities and advanced manufacturing

Sustainable post-closure mine planning, with flexibility in mine-site rehabilitation to facilitate development of new industries and circular economy opportunities

Support existing METS and manufacturing industries to contribute to the growth of the critical minerals industry in neighbouring Queensland regions

Diversification of the region's METS technical skillset to manufacture componentry for emerging industries and renewables

Projects that grow industry capability

Capability and capacity enhancement for existing METS businesses, particularly start-ups and Small Medium Enterprises (SMEs) to support decarbonisation



#### Renewable energy production and usage

Coordinated planning and establishment of renewable energy and hydrogen production, distribution and storage precincts across the Greater Whitsunday region

Accelerated use of renewables within key regional industries, including agriculture, construction, minerals processing, tourism, services and manufacturing, to grow and decarbonise these industries

Investment attraction in key industrial precincts, particularly through SDAs focused around renewable energy production and use, including the activation of Abbot Point SDA



#### Globally recognised biofutures production

Establishment and promotion of State Development Areas (SDAs) for biofutures manufacturing in the region, specifically the Mackay SDA

Accelerated and scalable biofutures research and development pilot projects to support start-up, innovation and collaboration precincts in biofutures

Creating a future foods industry through a Future Foods Biohub initiative

Investment in a sustainable ethanol industry, including for sustainable aviation fuels and other applications

Biofutures industry that capitalises on opportunities for biomass conversion to value-added exports, or inputs into adjacent industries



#### Agribusiness innovation and transformation

Further modernisation of the region's agriculture, including fostering innovation (through piped, automated irrigation, precision agriculture and space-tech) by supporting small, regional agriculture businesses

Enable a low emissions agriculture transformation and its supply chains to target the premium markets domestically and abroad and tackle climate change

Growing Aquaculture Development Areas into leading aquaculture precincts for marine prawns (black tiger and banana prawns), barramundi and marine fish, opening up domestic and international export opportunities

Cooperation between aquaculture and agriculture industries to realise seasonality, efficiency and climate adaptation opportunities



#### Sustainable, accessible and eco-friendly tourism

Transition of tourist industry road and marine transport to renewable energy (such as electric and low-carbon fuels like hydrogen and its derivatives)

The Greater Whitsunday region to have a leading reputation as an ecotourism destination in domestic and international tourism markets

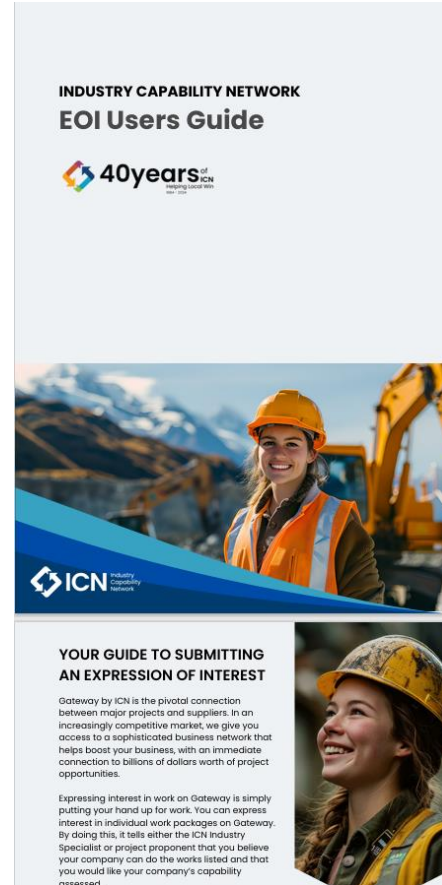
Growth in education-based tourism centred around attractions that are anchored in natural and heritage values and community identity in the Greater Whitsunday region

Remove the barriers to enable tourism opportunities in the Greater Whitsunday region

# Take Away Tips

- Update your ICN Gateway Profile first.
  - Ensure you showcase your capabilities and value proposition.
  - Search for relevant opportunities
  - Express Interest and Answer all Questions, and attach requested documentation
  - Submit information on time!!
  - Treat each opportunity as new, regardless of previous experience.
- 
- And if any questions, reach out to ICN Consultant listed on the project page.

Remember, we don't just look at your EOI, but also your capabilities in the backend for various mapping and policy input works.



**INDUSTRY CAPABILITY NETWORK**  
**EOI Users Guide**

**40years** of ICN  
1984-2024

**YOUR GUIDE TO SUBMITTING  
AN EXPRESSION OF INTEREST**

Gateway by ICN is the pivotal connection between major projects and suppliers. In an increasingly competitive market, we give you access to a sophisticated business network that helps boost your business, with an immediate connection to billions of dollars worth of project opportunities.

Expressing interest in work on Gateway is simply putting your hand up for work. You can express interest in individual work packages on Gateway. By doing this, it tells either the ICN Industry Specialist or project proponent that you believe your company can do the works listed and that you would like your company's capability assessed.



Thank you.

Questions?

**Abhiney Arora**  
Executive Director

**Driving economic growth through our trusted network.**

We build powerful procurement and supply chain tools, offer expert advice and support and everything you need to get work and get work done.

**ICN Queensland**

**Phone**

(07) 3364 0670

**Email**

[info@icnqld.org.au](mailto:info@icnqld.org.au)



[icn.org.au](http://icn.org.au)  
[gateway.icn.org.au](http://gateway.icn.org.au)





# Cauldron Ferm Bio-Manufacturing Plant

**Saurabh Das, Head of Operations**

Cauldron Ferm



**Queensland**  
Government



# Greater Whitsunday Regional Projects Forum

September 2024

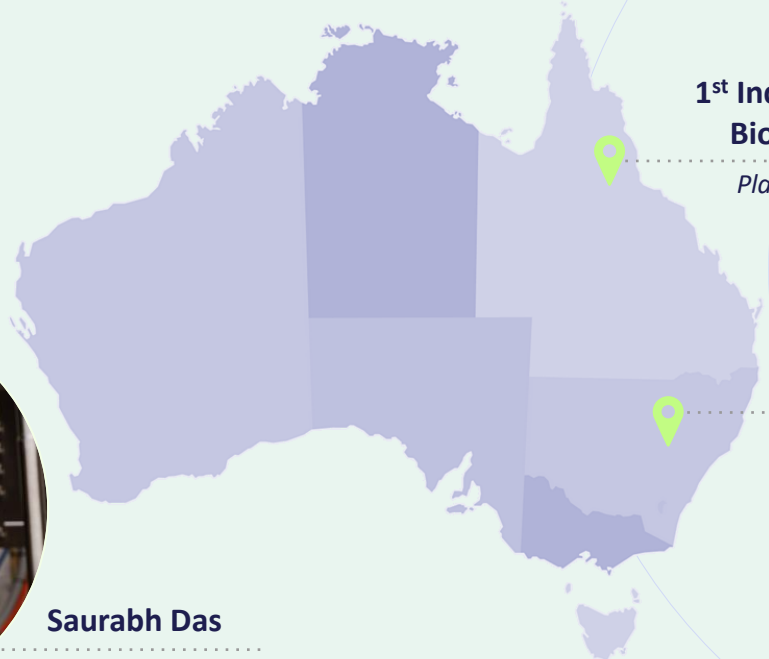
Privileged and confidential - not for circulation



# Cauldron is on a mission to lead global biomanufacturing



**Saurabh Das**  
*Head of Operations*



**1<sup>st</sup> Industrial  
Bio-Fab**  
*Planned*



**Commercial Demo  
Facility**  
*Operational*





# The opportunity for biomanufacturing is significant

## The opportunity

60%

*Of the world's physical inputs could be made biologically*

### Compared to conventional products & production methods

#### Better Products

- Low or no allergenicity
- Climate resilient
- Price stability
- Consistent quality

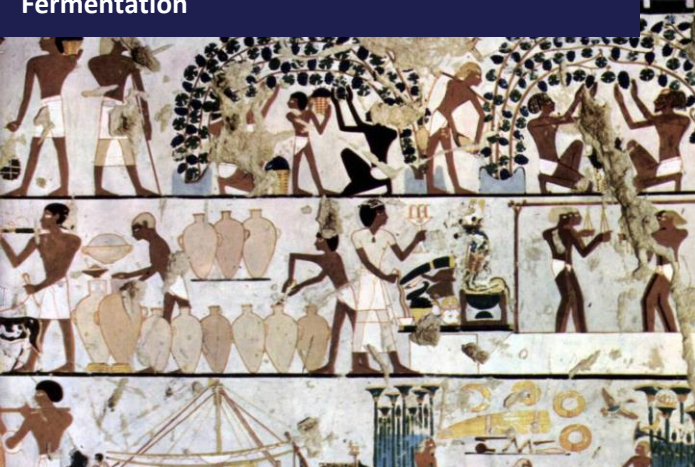
#### Produced Better

- Distributed global supply
- Localized production
- Reliable and consistent supply
- No hormones, no antibiotics



# Humanity's oldest biotechnological tool

## Fermentation



Production of a product by means of mass culture of micro-organisms



# The power of precision fermentation

## Precision fermentation



In 1950s: 4535 kg of Pig Pancreas make 0.45 kg of Insulin.



Program micro-organisms to produce target products



# Key breakthroughs have made biotechnology accessible





# Biomanufacturing can reshape major industries, only if we overcome final barriers







# Biomanufacturing unlocked.

**Cauldron** is on a mission to realise the full potential of precision fermentation by unlocking price parity for mainstream bio-manufactured goods.





# Ready to build a full scale, hyper bio-fab



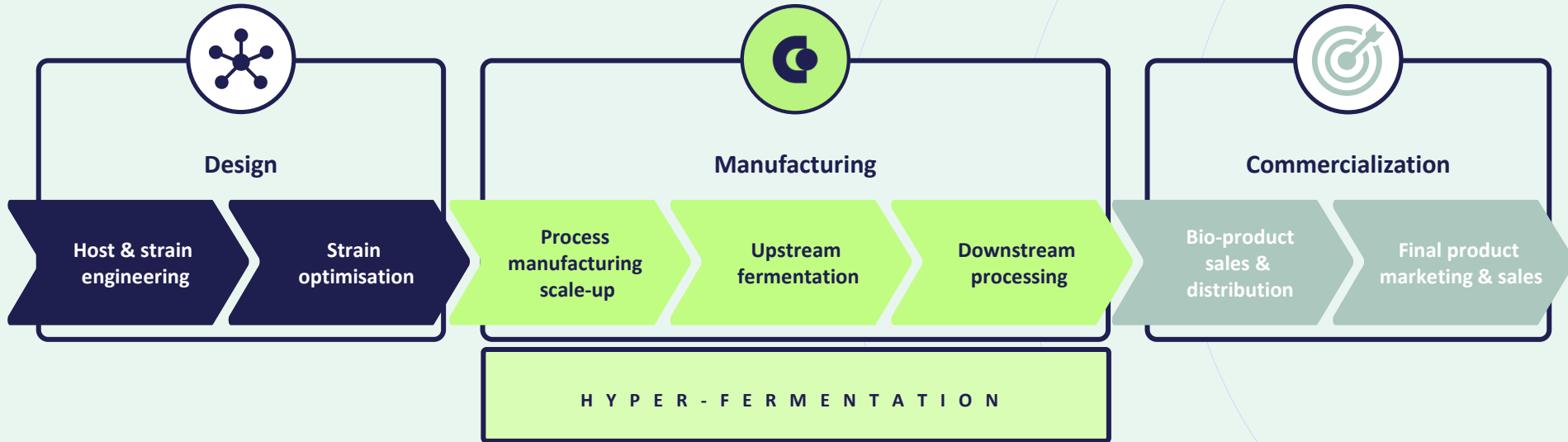
**Hyper-Fermentation Demo Facility**  
*Customer pipeline, commercial demo*



**Hyper-Fermentation Bio-fab**  
*Industrial-scale production*



# Cauldron is on a mission to lead global biomanufacturing





# We're well-placed to play a leading role in the bioeconomy



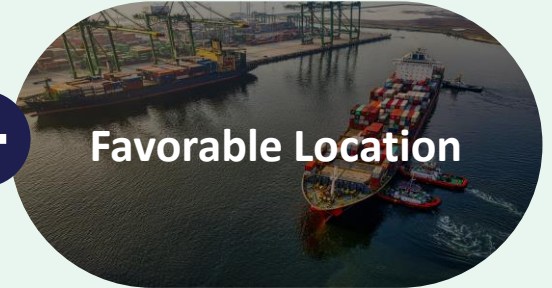
## Natural Resources

- Abundant sugarcane supply
- More than 500 megawatts (MW) of renewable energy capacity



## Dynamic Workforce

- Mining and METS industries workforce qualified across a range of trades



## Favorable Location

- Network of ports ideal for both inbound and outbound trade
- Strong regional advocacy and support



#thefutureisfermented  
Biomanufacturing unlocked





## Supply Chain Opportunities for Mackay Regional Council Projects

**Kylie Rogers, Associate Director Infrastructure**  
Mackay Regional Council



**Queensland**  
Government

A decorative graphic consisting of stylized green grass blades and a blue and white abstract shape, possibly representing water or a map, set against a white background.

# Mackay Regional Council Regional Projects Series

**Kylie Rogers – Associate Director Infrastructure**

**5 September 2024**

# Mackay Regional Council at a glance

- 1195 staff
- Services provided to approximately 125,000 people (50,000 rateable properties) across 7,600 square kilometres
- Services provided include:
  - Water and Waste Services
  - Transport, Drainage and flood risk mitigation
  - Buildings and Community Facilities
  - Parks and Environment
- Infrastructure portfolio – approx. \$6B
- Annual Budget for 24/25 - \$440M





# Strategic Direction – What is important to us?



## *Purpose*

Create opportunity to thrive

## *Vision*

To become the best region for liveability and livelihood

## *Commitment*

- Lead and Engage
- Care and Serve



## *Strategic pillars*

### *Looking outwards*

- Invest and work
- Live and visit
- Community and sustainability

### *Looking inwards*

- Financial strength
- Operational excellence



# How is Mackay Regional Council prioritising investment?

- Infrastructure Portfolio approx. \$6B; annual depreciation expense \$95M
- Focus on service-centric asset management

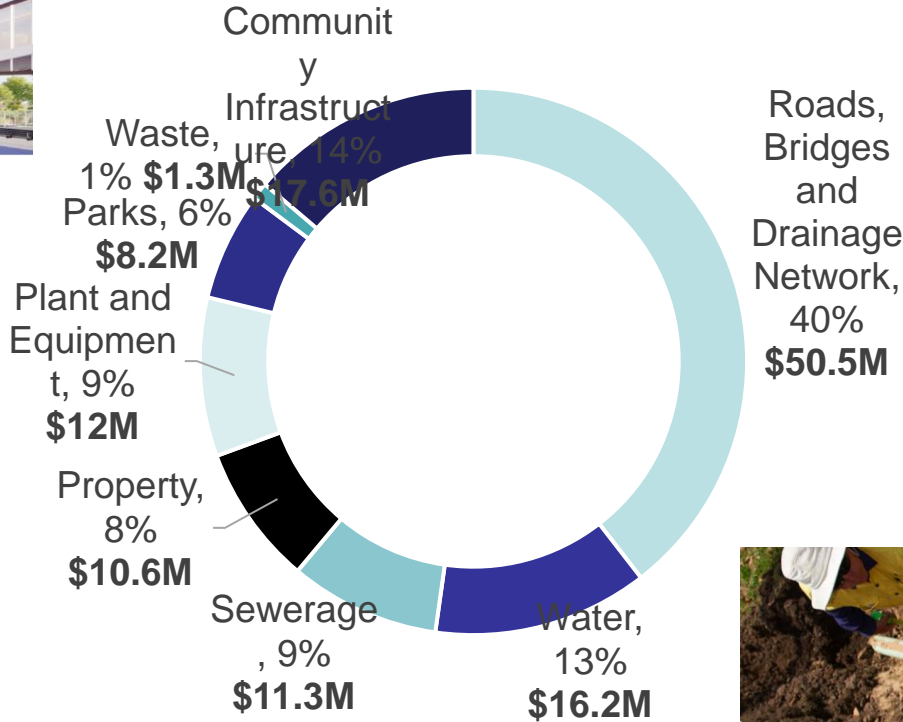
Responsibility to ensure assets perform and provide community services now, and into the future (growth), while cost and risk are managed appropriately



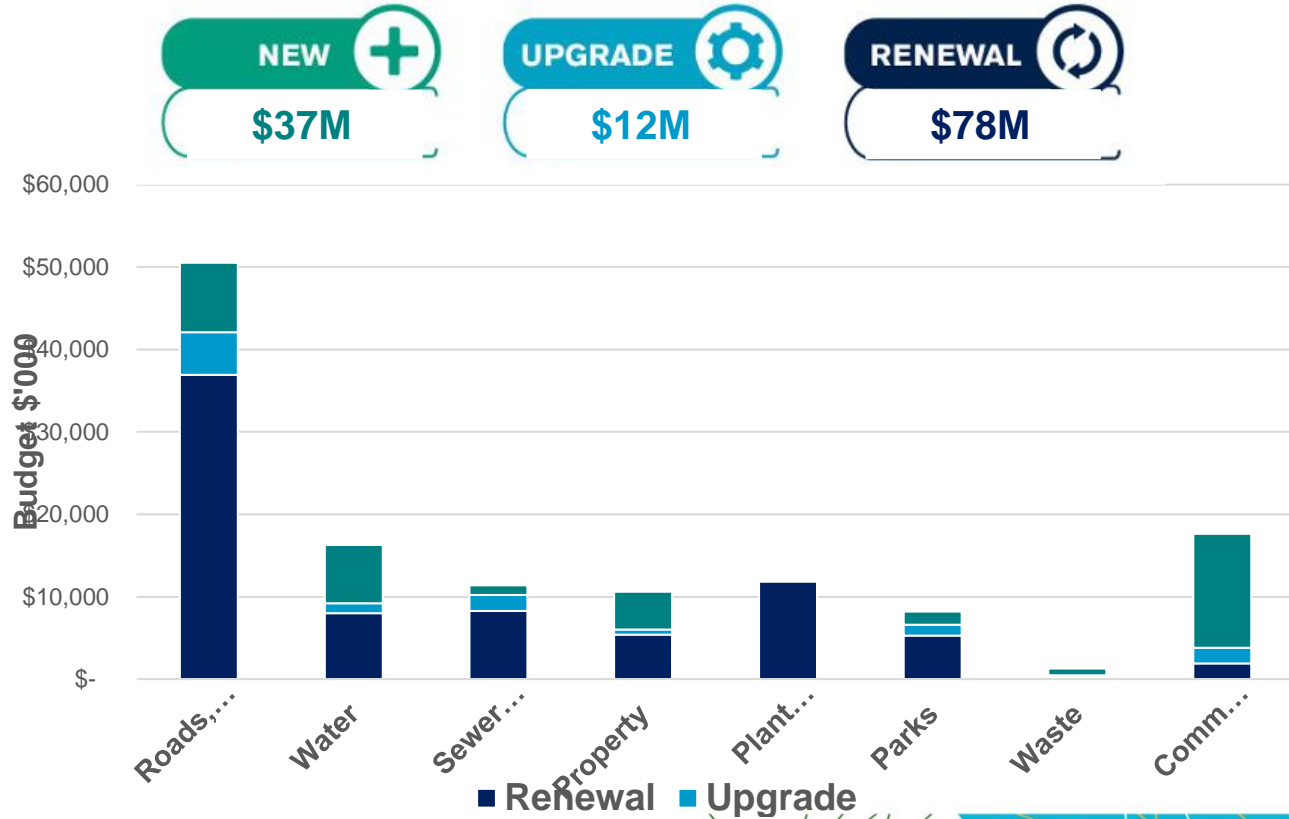
Overarching objective:

***Right decisions, at the right time, for the right reason, at the right cost***

# Asset Investment Focus Areas - \$128M Capital Program



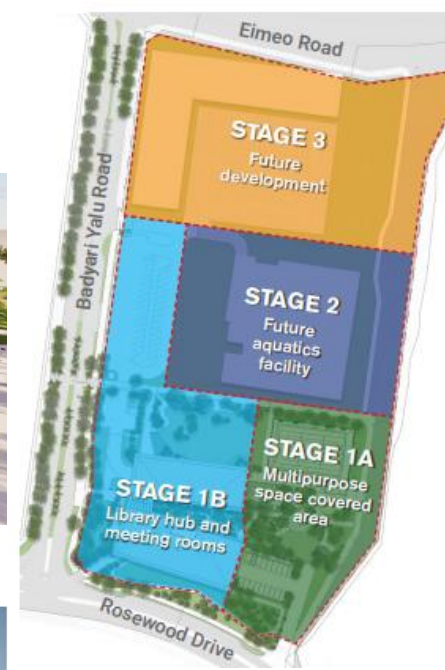
# Capital Projects –24/25 - \$128M



# Significant Projects

## Northern Beaches Community Hub

- Cost Estimate - \$60M (Stage 1A and 1B)
- Status:
  - Stage 1A (Multi-purpose outdoor and covered space) **Under Construction**
  - Stage 2B (Community Hub Building) **Out to Tender Sept/Oct 2024**



## Resource Centre of Excellence – (Future Industries Hub)

- Cost Estimate - \$5.7M (Building only – stage 1)
- Status – Tender under award – Commencing soon



# Significant Projects

## Mackay Waterfront – Sydney / River St Intersection Improvements

- Cost Estimate – circa \$4M (*Joint DTMR funding / delivery*)
- Status: Tender Period, Commencing end 2024



## Finch Hatton Mountain Bike Trail – Future Stages

- Cost Estimate - \$30M
- Status: Design Development – delivery of future stages subject to funding



## Bell Creek Bridge Upgrade

- Cost estimate – circa \$7M
- Status –Tender Period



# Other Projects Underway

- Paradise / Webberley Intersection
- Bloomsbury Water Supply Scheme
- Flood Mitigation and Drainage projects
- Timber & Concrete Bridge Renewals
- Building & HVAC renewals – Council facilities
- Petrie St East Mackay Floodgate Upgrade
- Jolimont Creek Fishway, Habitat Improvement
- Calen Water Softener
- Brewers Rd & Plane Creek Sarina Bank Stabilisation
- Stormwater & Sewer Relining
- Sewerage Pump Station Upgrades
- Water Pump Station Upgrades



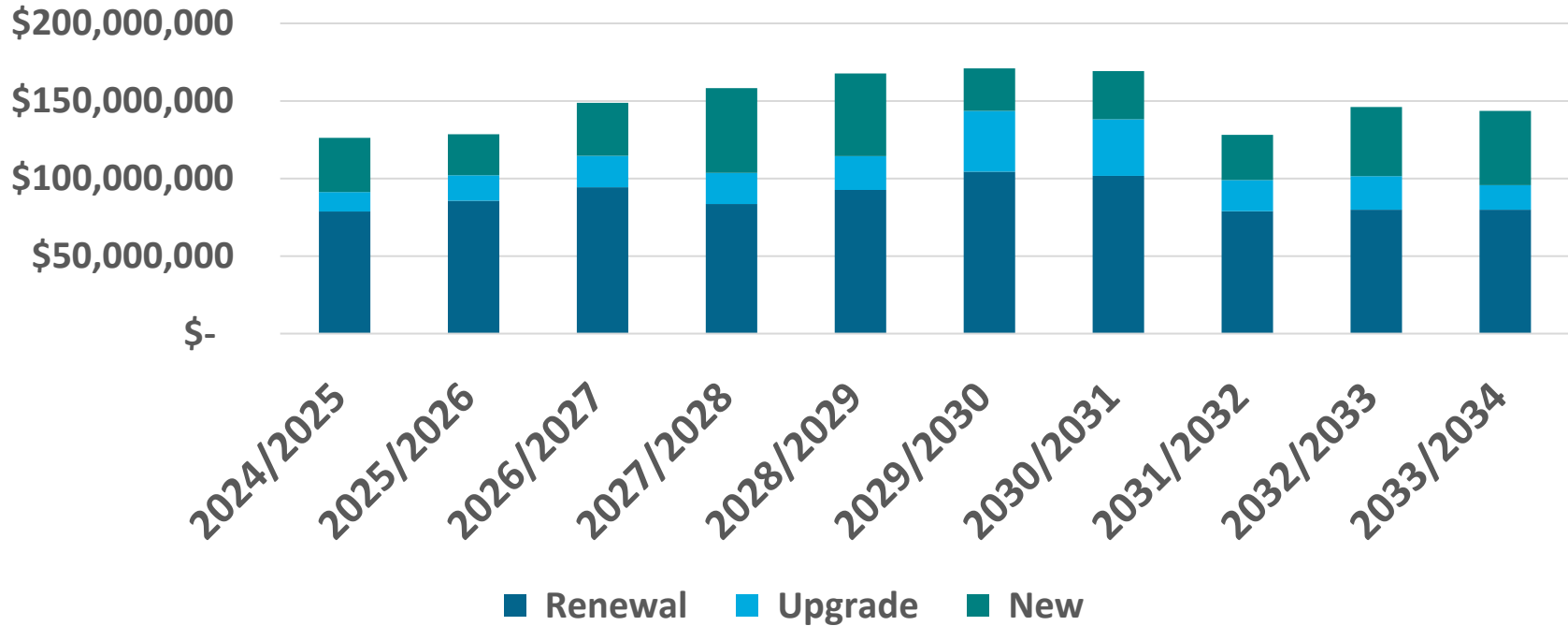
# Future Focus

- Signature Projects – Future stages
- Supporting regional growth and investment
- Liveability and Livelihood – improved pathways, parks, community facilities, traffic and active transport connections
- Continued focus on sustainable, affordable, service-centric asset decisions





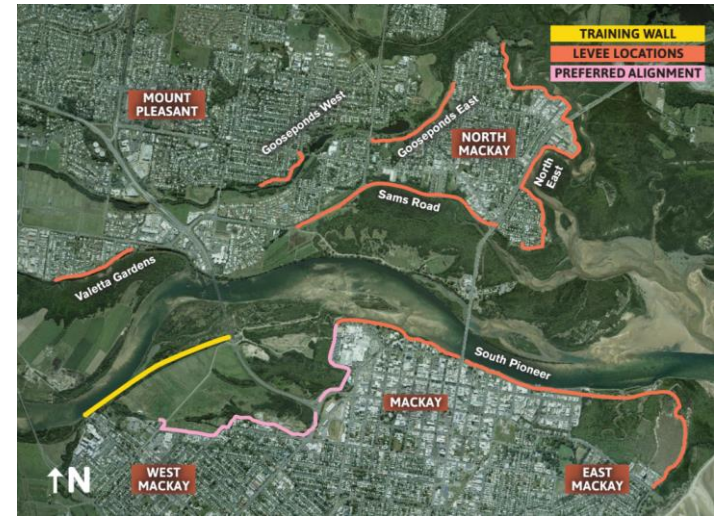
# Future Years - Long Term Capital Plan



**Forecast to spend ~\$1.4B in next 10 years**

# Project Opportunities for the Future

- Pioneer River Flood mitigation - Ron Camm Levee \$20M
- Hans Christian St Sarina Drainage Upgrade
- Reed St Rural View, Extension to McCreedy Creek Bridge
- Glenella Richmond Holts Roundabout
- Concrete & Timber Bridge Renewal Works
- Walkerston Homebush Road Rehabilitation
- Pioneer North Bank Shared Path – Stage 3
- Park Upgrades – Woodlands District Park, Alsatia Park, Langfords
- Greenmount Homestead Restoration of Homestead & Outbuildings
- Mackay ARC Improvements
- Reservoirs - Shoal Point Reservoir, Mount Pleasant No. 2 refurb
- Hogan's Pocket Cell 4 Construction
- Glenpark St North Mackay Trunk Water Main Renewal



# Preferred Supplier Arrangements and Panel Arrangements

Preferred supplier and Panel arrangement opportunities available in 2024/25:

- Mowing Services
- Plant & Equipment Hire including Earthmoving Plant & Equipment
- Road Construction Services, including:
  - Minor civil works
  - Bitumen & Asphalt
- Engineering & Associated Services
- SCADA Control Systems Support



# Information Sharing

- Queensland Government Qtenders:

<https://www.hpw.qld.gov.au/qtenders/index.do>

- Future opportunities – upcoming tenders:

[https://www.mackay.qld.gov.au/business/suppliers/tenders\\_and\\_purchasing2/upcoming\\_tenders](https://www.mackay.qld.gov.au/business/suppliers/tenders_and_purchasing2/upcoming_tenders)

- Procurement Policy:

[https://www.mackay.qld.gov.au/data/assets/pdf\\_file/0010/101305/005 - Procurement Policy - Adopted version.pdf](https://www.mackay.qld.gov.au/data/assets/pdf_file/0010/101305/005_-_Procurement_Policy_-_Adopted_version.pdf)





For more information visit  
[mackay.qld.gov.au/budget](http://mackay.qld.gov.au/budget)





## Supply Chain Opportunities for Isaac Regional Council

**Cale Dendle, Chief Executive Officer**

Isaac Regional Council



**Queensland**  
Government

# ISAAC REGION

We service  
**17 unique communities**  
Modern mining, historical,  
coastal and rural towns

Our population is

**22,550** permanent  
residents\*

**13,405** non-permanent  
population\*

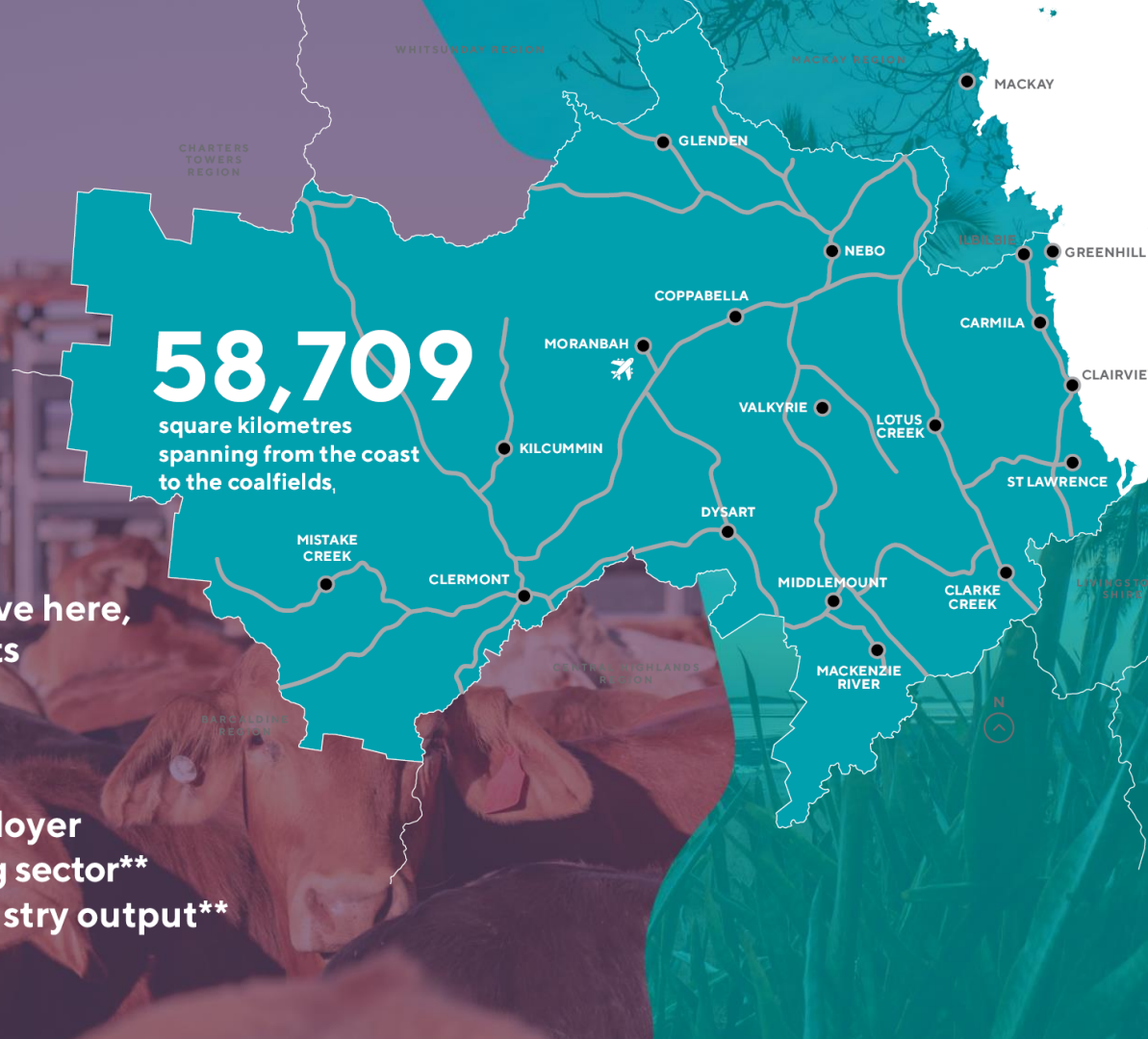
59.45% of our population do not live here,  
but they enjoy the region's benefits

We produce **\$28.422 billion**  
annual economic output\*\*

Mining is the largest industry employer  
generating 14,361 jobs in the mining sector\*\*

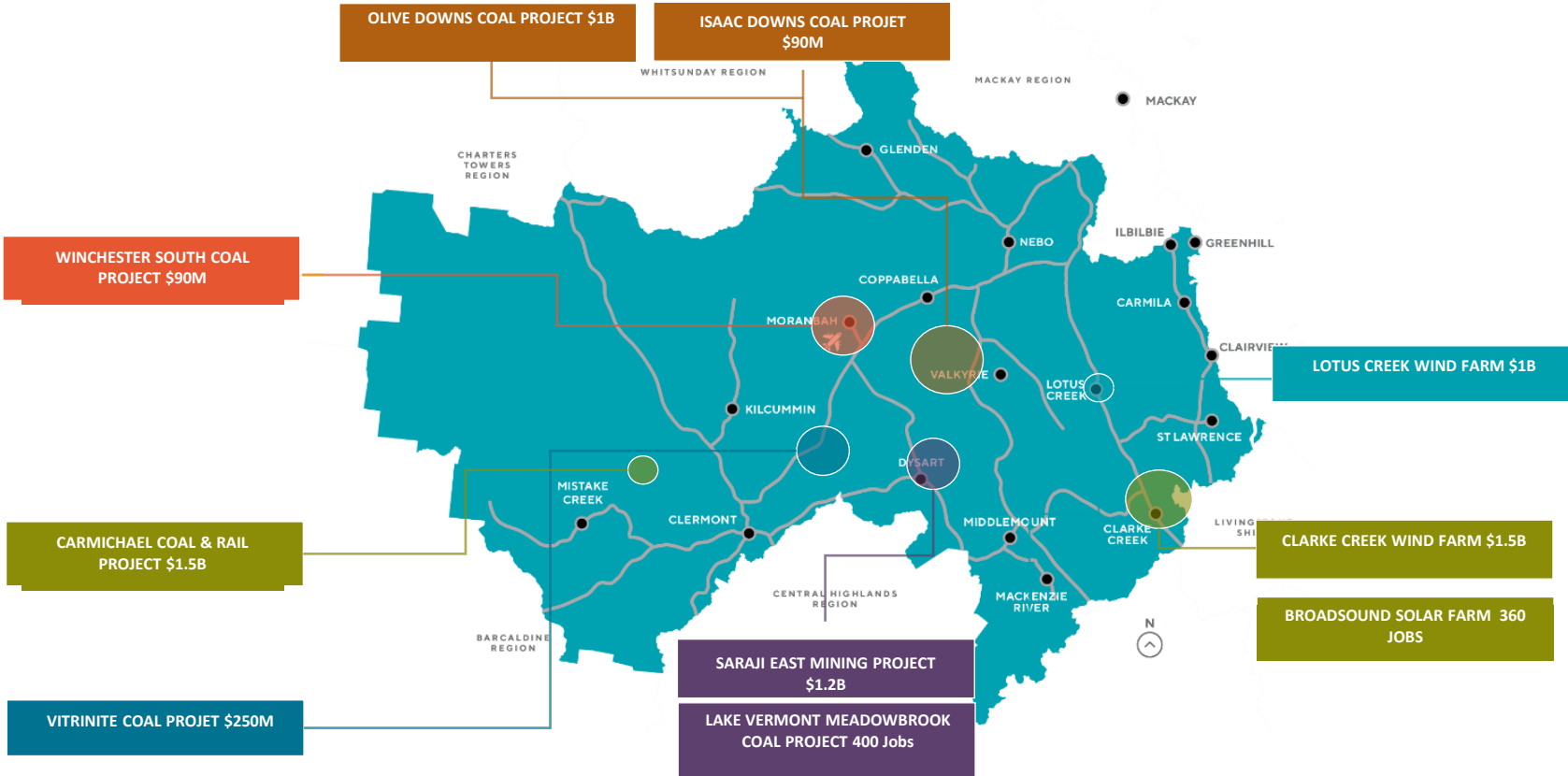
**\$437.532 million** agricultural industry output\*\*

**58,709**  
square kilometres  
spanning from the coast  
to the coalfields,





# Resource and Renewable Projects



# Current Energy Generation in the Region

## Solar Energy

- 3 operating solar farms generating 191.5 MW of electricity.
- 1 solar farm under construction with a capacity of 392 MW.
- 10 approved solar farms (or extensions) not yet under construction with a total capacity of 1,365 MW.

## Wind Energy

- 1 wind farm under construction with a capacity of 450 MW.
- 2 approved wind farms not yet under construction with a total capacity of 741 MW.
- 1 announced wind farm with no approvals yet, expected to generate 70 MW.



# Potential Energy Generation in the Region

- The region currently produces 191.5 MW of electricity, enough to power approximately 112,500 homes.
- If all approved or under-construction projects are completed, the region could produce 2,637 MW of electricity, enough to power approximately 1,549,237 homes.

## Projects under construction

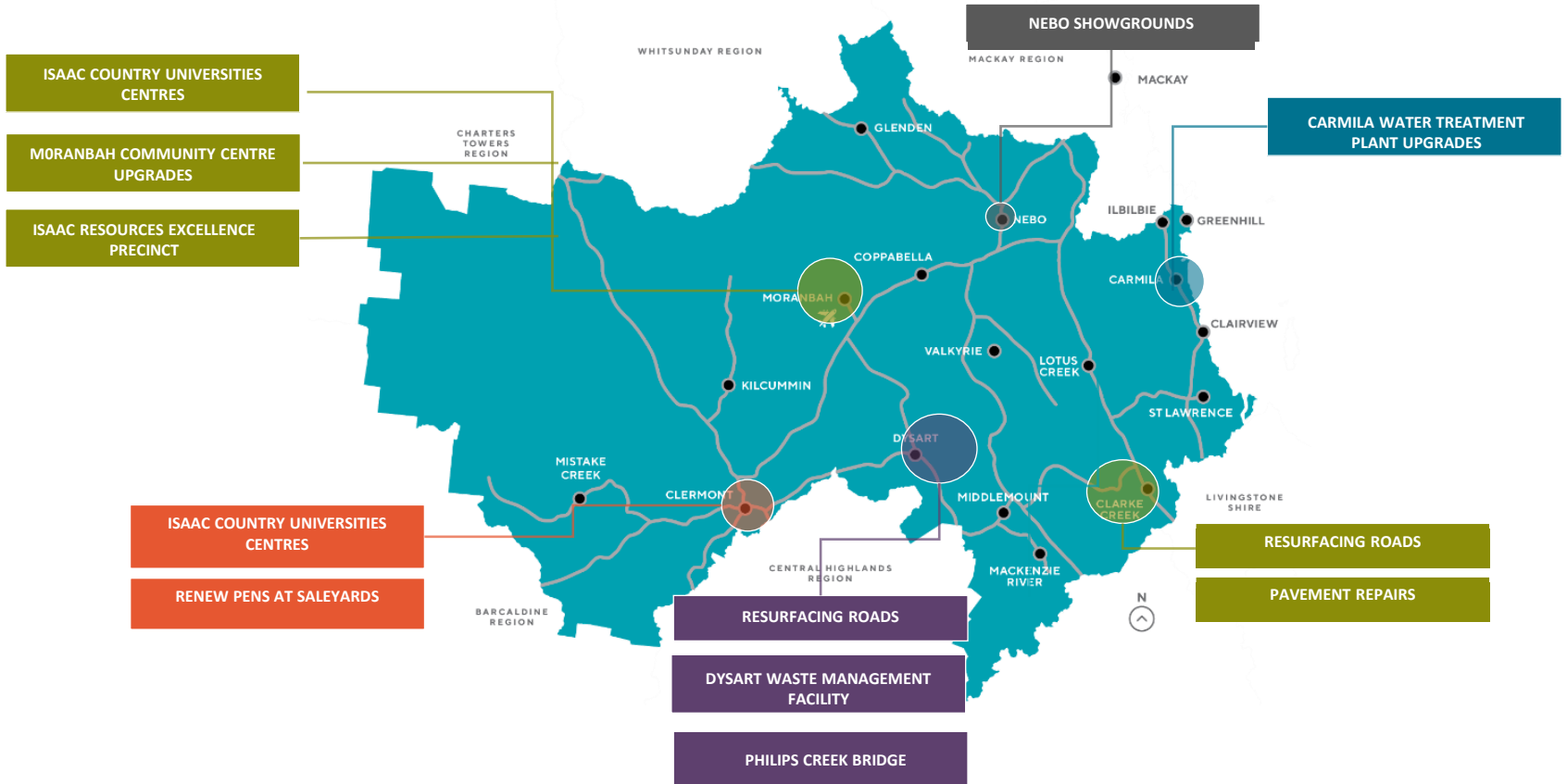
- Broadsound Solar
- Clark Creek Wind and Solar

## Approved projects yet to be built

- Blair Athol Solar Farm
- Broadlea Solar Farm
- Clarke Creek Wind and Solar Stage 2
- Rugby Run Stage 2
- Clermont Solar Farm Stage 2



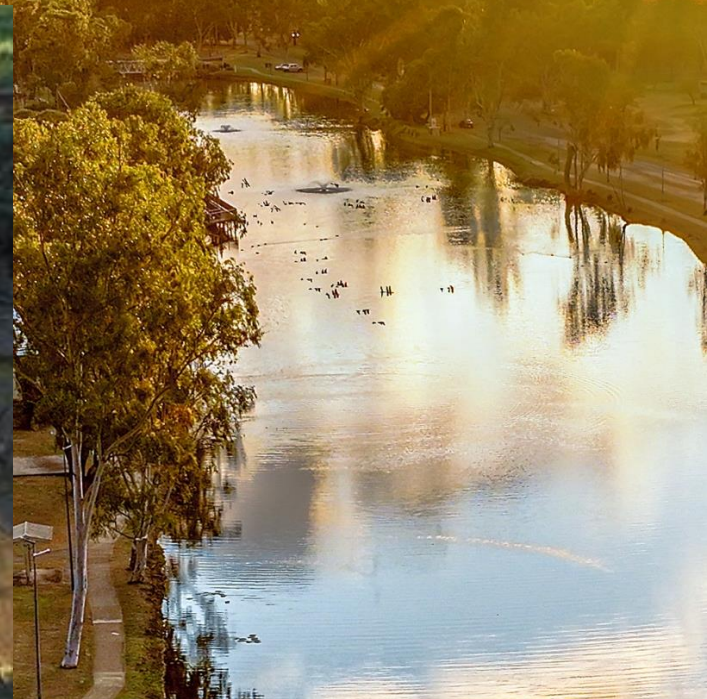
# Our Projects



# Our Projects

\$18 million in total, \$5.5 million budgeted this year on Phillips Creek Bridge replacement construction with the remainder expected in 2025-2026.

This project is funded by the Australian and Queensland Governments in association with Isaac Regional Council.

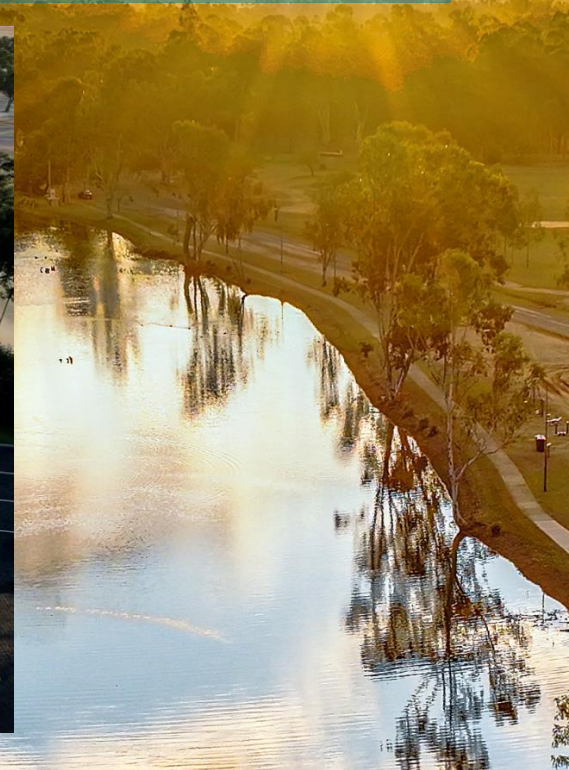


# Our Projects

\$40 million investment in the Isaac Resources Excellence Hub to provide a hub for training, technology, innovation, sustainability and economic development.



ILLUSTRATIVE PURPOSES ONLY



# Our Projects

\$40 million Country University Centres.  
This project is funded by the Queensland Government in association with Isaac Regional Council.



# Our Projects

\$2.8 million to deliver the multi-year Nebo Showgrounds Master Plan.





# Other Council Projects

**\$48.5 million** in record infrastructure investment, including projects like:

- \$3.5 million for resurfacing 91km of sealed roads
- \$3.5 million to replace 51km of gravel surfaces
- \$2.54 million: Cooroora Creek Bridge replacement
- \$1.56 million to pave and seal 2.5km of Eaglefield Road
- \$1.46 million to widen, strengthen and rehabilitate 2km of Peak Downs Mine Rd
- \$700,000 budgeted to complete the two-year project for new raw water reservoir and raw water main at St Lawrence.
- \$1.34 million to construct seven new concrete floodways on unsealed networks
- \$600,000 budgeted to begin Carmila Water Treatment Plant upgrades
- \$400,000 to repurpose Dysart Waste Management Facility to Transfer Station from landfill
- \$1.53 million to widen a narrow section of Dysart-Clermont Road
- \$370,000 to renew pens at J.R. Turner Saleyards and electrical at Clermont Showgrounds
- \$500,000 towards the multi-year lighting upgrades at Moranbah's sporting precincts



# Find out about Council led projects

## **Council Website**

<https://www.isaac.qld.gov.au/tenders>

## **Procurement Email**

[isaacrfx@isaac.qld.gov.au](mailto:isaacrfx@isaac.qld.gov.au)

## **John Squire**

Manager Contracts and Procurement

07 4846 3537 or 0427 414 506

[john.squire@isaac.qld.gov.au](mailto:john.squire@isaac.qld.gov.au)



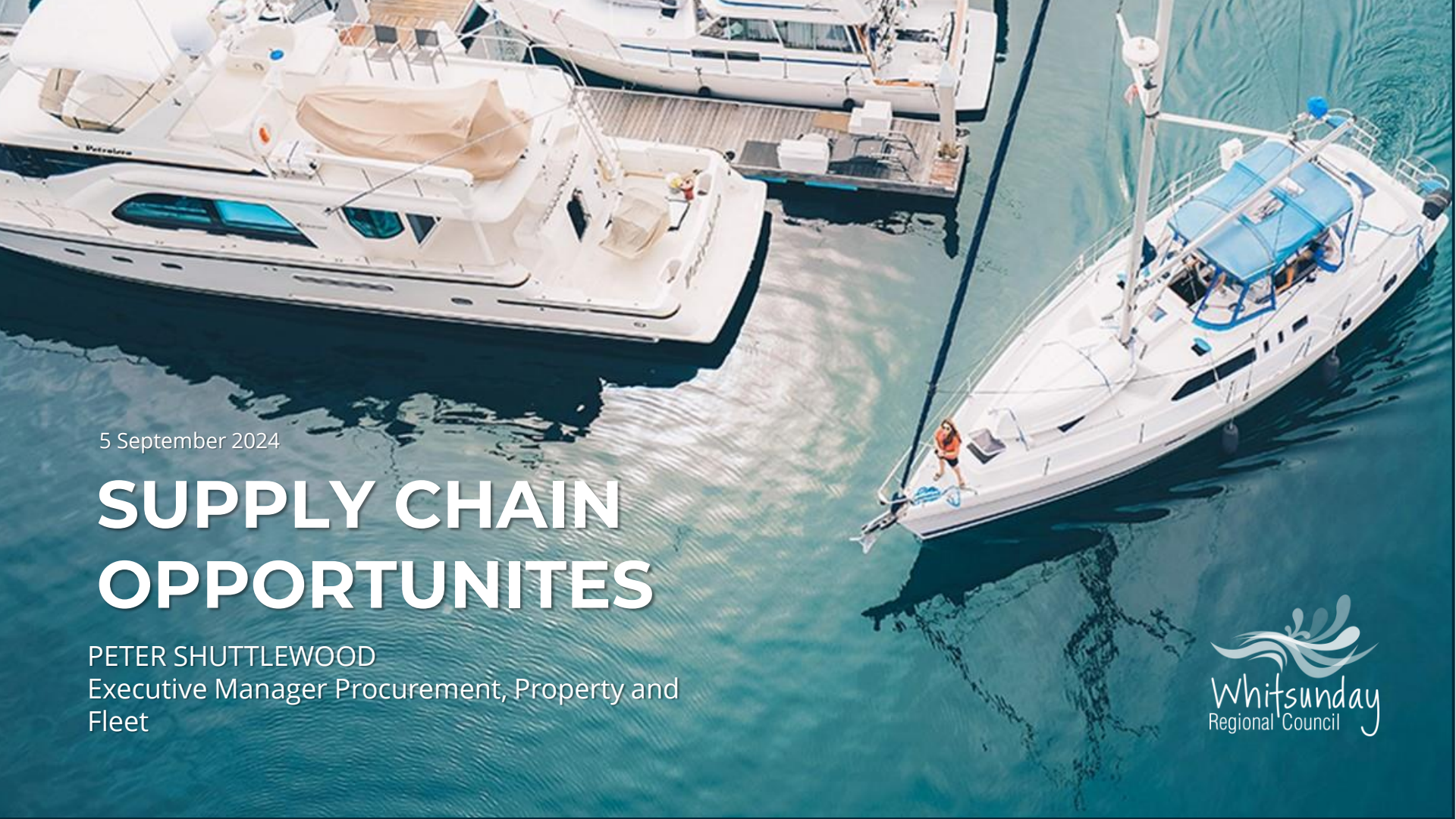
## Supply Chain Opportunities for Whitsunday Regional Council

**Peter Shuttlewood, Executive Manager Procurement,  
Property and Fleet**

Whitsunday Regional Council



**Queensland  
Government**



5 September 2024

# SUPPLY CHAIN OPPORTUNITIES

PETER SHUTTLEWOOD

Executive Manager Procurement, Property and  
Fleet

# WHITSUNDAY REGIONAL COUNCIL

---



**380 FTE**  
STAFF

**23,819 km<sup>2</sup>**  
LAND AREA

**\$143M**  
ANNUAL BUDGET

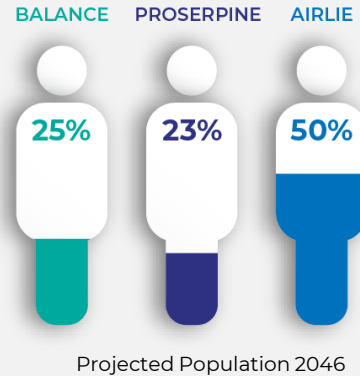
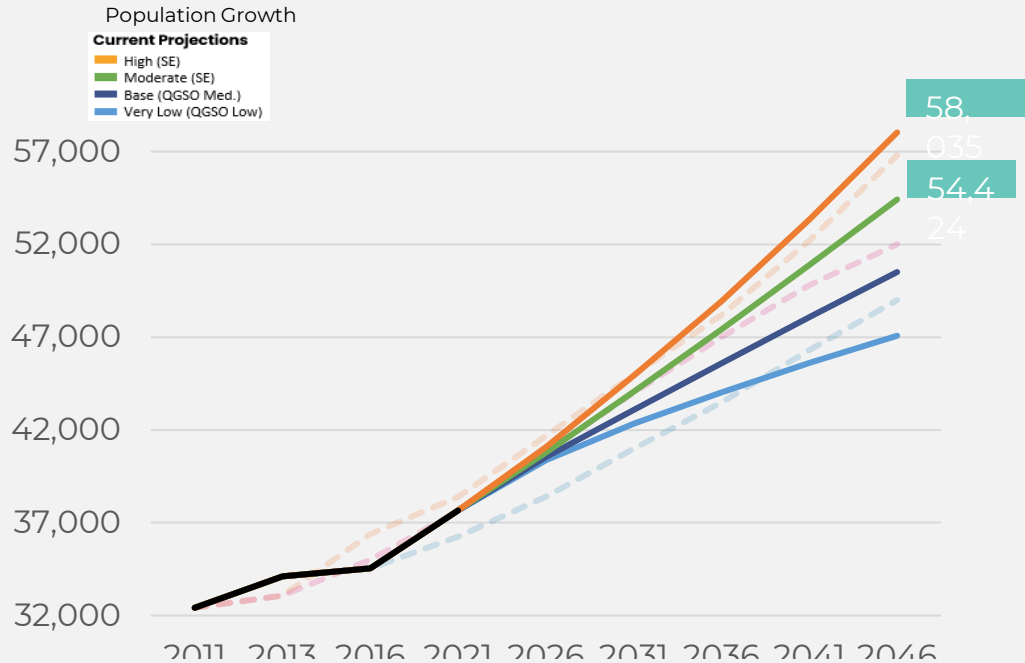
**\$60M**  
APPROX.  
CAPITAL PROGRAM

**\$1.27 Bn** APPROX.  
ASSETS

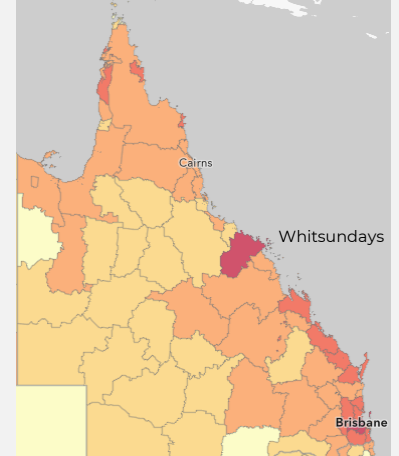
**\$2.88 Bn**  
GRP

# PROJECTS TO SUPPORT RAPID RESIDENT GROWTH

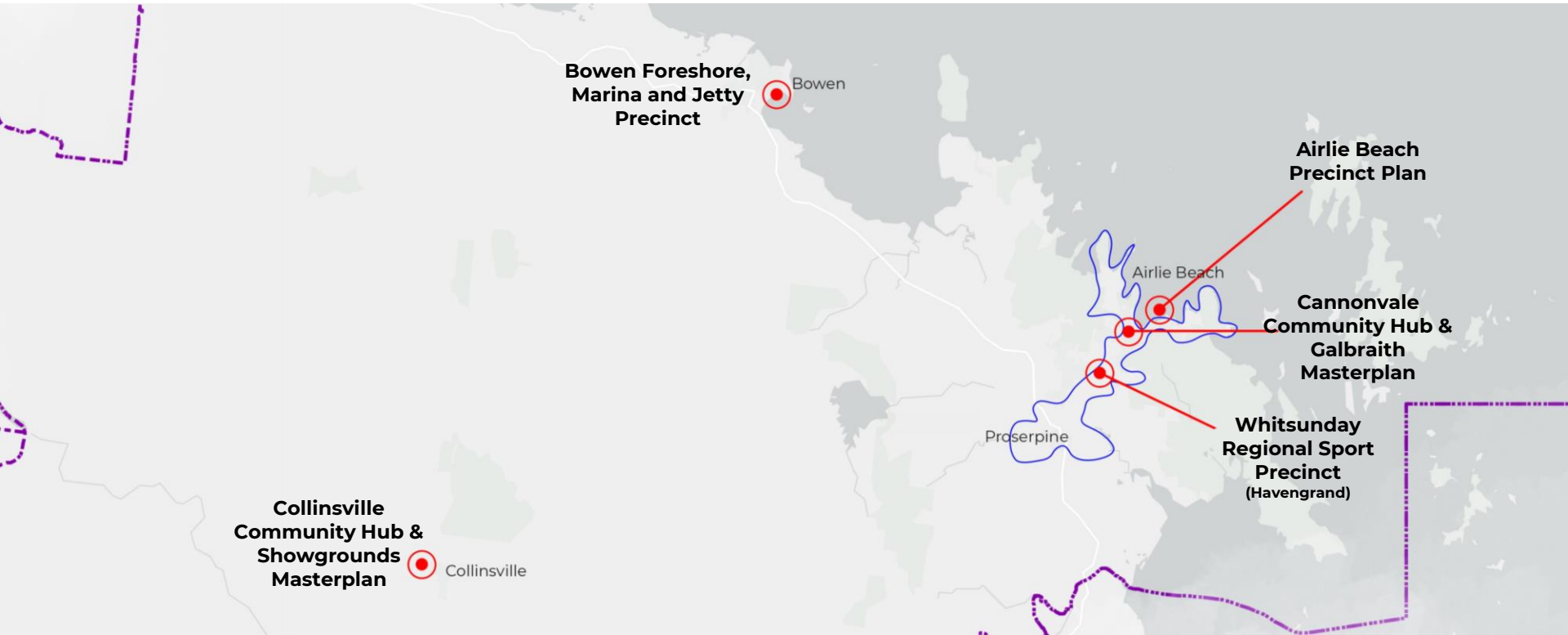
3rd Fastest Growing Region in QLD



Fastest Growing Regional Area in QLD  
2023



# MAJOR PROJECTS MAP





# COLLINSVILLE COMMUNITY HUB



# COLLINSVILLE COMMUNITY HUB & SHOWGROUND PRECINCT

## PRECINCT 1

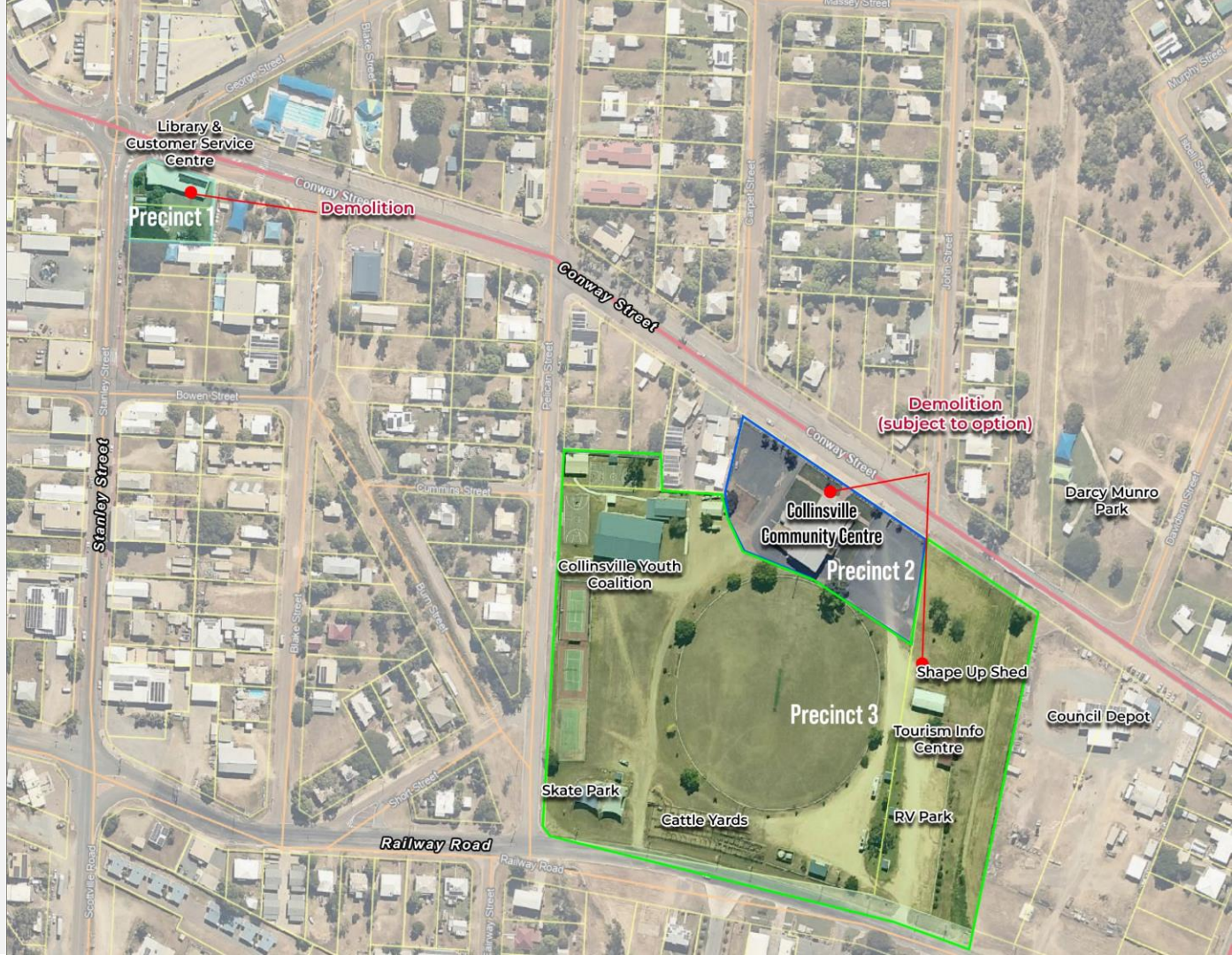
- Future Entrance Park or alternate use

## PRECINCT 2

- Community Centre
- Telecentre
- Shape Up Shed
- Tourism Information Centre

## PRECINCT 3

- Showgrounds Masterplan



# COLLINSVILLE COMMUNITY HUB & SHOWGROUNDS MASTERPLAN

## LOCATION

Collinsville Showgrounds

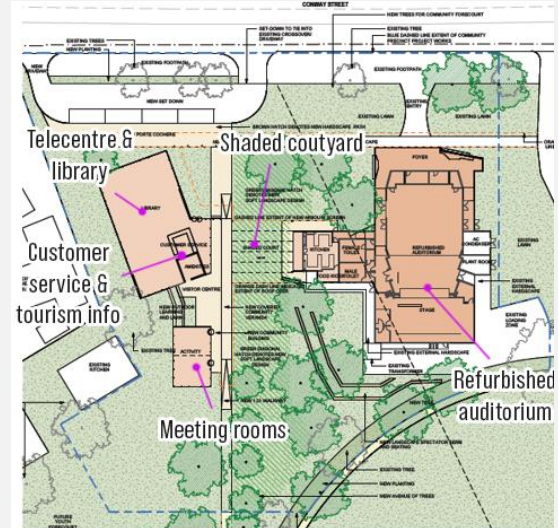
## SCOPE

Community Facility building to cater to the existing and future resident base, to include:

- Provision of a Library, telecentre, customer service & tourism information centre
- Meeting rooms
- Hot Desk Facilities
- Arts & Cultural Displays & Activities
- **OPTION 3** Ideally contained in single building



OPTION 1



OPTION 2

# TIMELINE



COILLABORATE  
TO BUILD  
IDEAS & VISION

FEB - JUNE 2024



CONSULTATION  
TO REFINE  
CONCEPT DESIGN

LATE 2024



COMMUNITY HUB  
DETAILED DESIGN

2025



COMMUNITY HUB  
CONSTRUCTION

FROM 2025

JUNE - AUGUST 2024

DEVELOP CONCEPT  
DESIGN OPTIONS



2025

PRIORITISATION OF PARK  
MASTERPLAN ELEMENTS

2025 - 2030

PARK MASTERPLAN  
STAGED DELIVERY



**WHITSUNDAY  
REGIONAL SPORTS  
PRECINCT  
HAVENGRAND**

# WHITSUNDAY REGIONAL SPORT PRECINCT HAVENGRAND

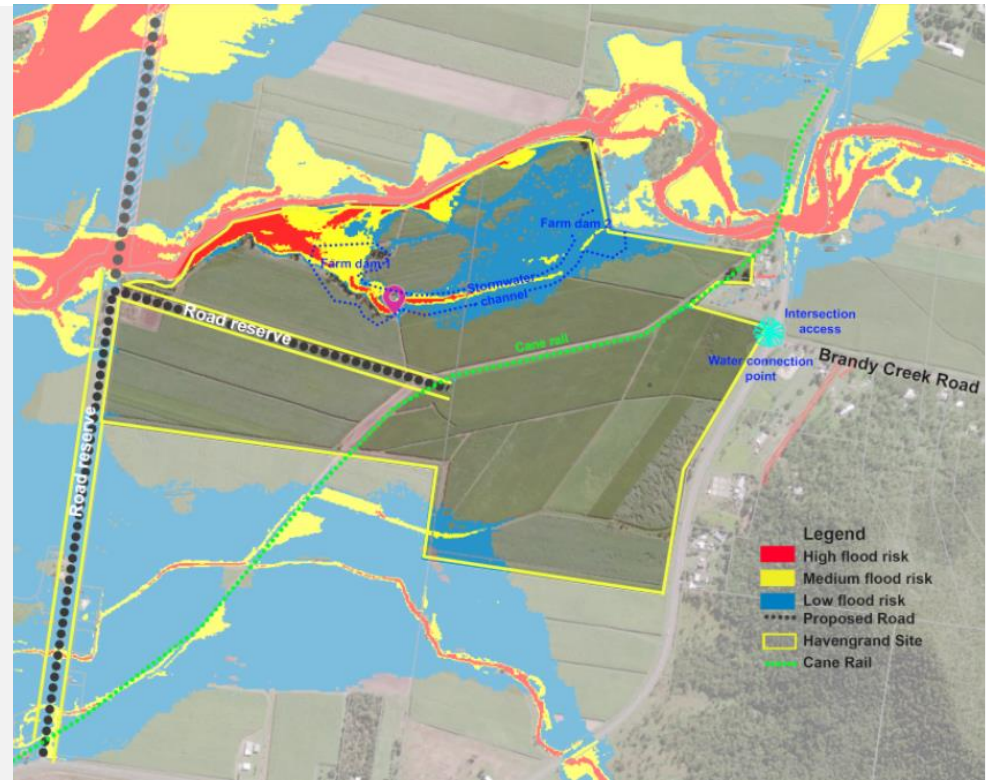
**LOCATION** 95ha on Shute Harbour Road  
(Cnr Plemenuk Rd)

**DATE** 2025-2028 Staged  
**COST** development  
\$70M

## SCOPE

Develop Regional Sports Precinct for multiple sporting groups inclusive of fields/courts, shared amenities, parking, water, power, sewer

**STATUS** Concept design, costing and ongoing  
community engagement



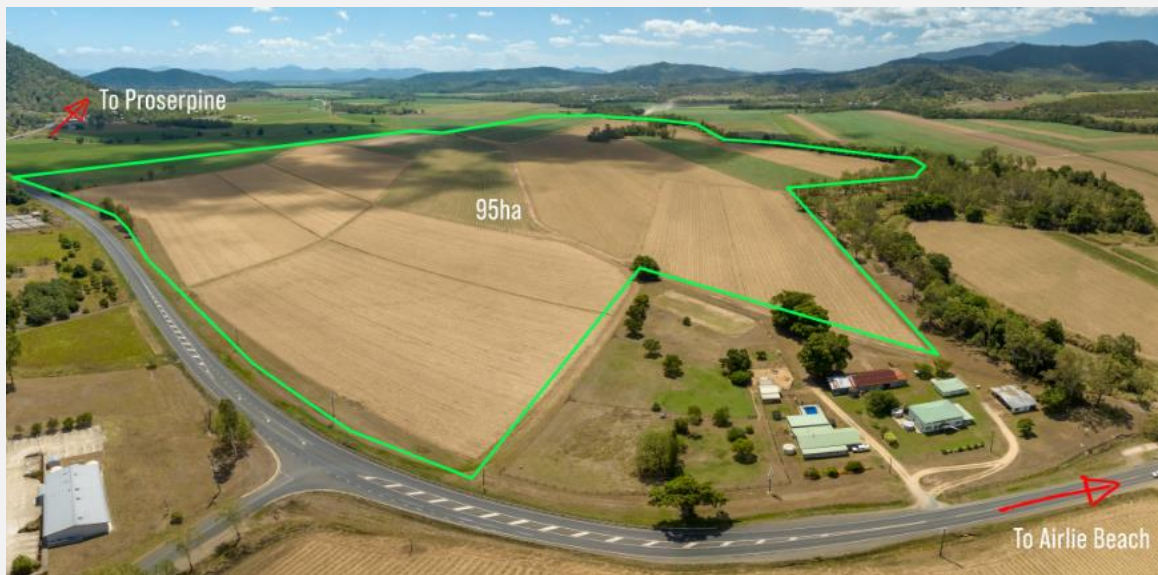
# WHITSUNDAY REGIONAL SPORT PRECINCT - HAVENGRAND

**LOCATION** 95ha on Shute Harbour Road  
(Cnr Plemenuk Rd)

---

## PHASED SCOPE TO 2046

- Develop Regional Sports Precinct for multiple sporting groups inclusive of fields/courts, shared amenities, parking, water, power, sewer



# EXPECTED DEVELOPMENT TIMELINE



CONSULTATION WITH SPORT CLUBS

2023



CONCEPT MASTERPLAN & FURTHER CONSULTATION

LATE 2024



DETAILED MASTERPLAN

JUNE 2025



CONSTRUCTION

SUBJECT TO FUNDING

# COSTS

HIGH LEVEL ESTIMATE \$70M



# BOWEN FORESHORE MARINA & JETTY



# BOWEN FORESHORE, MARINA & JETTY KEY ELEMENTS

**LOCATION** Bowen Foreshore

---

## SCOPE

- Jetty
  - Harbour
  - Esplanade Refurbishment
  - Council Owned Vacant Blocks
- 
- Bowen Jetty Upgrade NQBP \$50M committed – delivery 2025-2027
  - Bowen Marina MSQ Masterplan underway



# TIMELINE



NQ BULK PORTS  
JETTY CONCEPT  
DESIGN

2024



NQ BULK PORTS  
JETTY  
CONSTRUCTION

2026 - 2027



BOWEN  
FORESHORE  
CONCEPT DESIGN

LATE 2025



BOWEN  
FORESHORE  
DETAILED DESIGN

2026



COUNCIL  
CONSTRUCTION  
SUBJECT TO FUNDING

FROM 2026



# AIRLIE BEACH PRECINCT

# AIRLIE BEACH PRECINCT PLAN

---

## STUDY AREA



# AIRLIE BEACH PRECINCT PLAN

**LOCATION** Shingley Beach  
to Jubilee Pocket PCYC

---

## SCOPE

- Medium term is a 2-5 year program of works
- Long Term, 5-10 year program of works



# SCOPE FOCUS

- Parkland areas
- Lagoon and facilities
- Parking – including multi-story
- Pathways
- Mainstreet Improvements
- Lighting and CCTV



# TIMELINE



COLLABORATE TO  
DEVELOP PRECINCT  
PLAN IDEAS & VISION

LATE 2024



DEVELOPMENT OF  
PRECINCT PLAN  
CONCEPT DESIGN

EARLY 2025



PRECINCT PLAN  
DETAILED DESIGN &  
COSTING

2025 – EARLY 2026

SEPTEMBER 2023 -  
PRESENT

AIRLIE BEACH  
BLITZ ACTIONS



LATE 2024

DEVELOPMENT OF  
TECHNICAL STUDIES  
EG. PARKING



2026 - 2030

PRECINCT PLAN  
STAGED DELIVERY  
SUBJECT TO FUNDING





# CANNONVALE COMMUNITY HUB



# PLANNING FOR RESIDENTIAL GROWTH

**\$30M+**

CANNONVALE COMMUNITY HUB & GALBRAITH MASTER PLANNING

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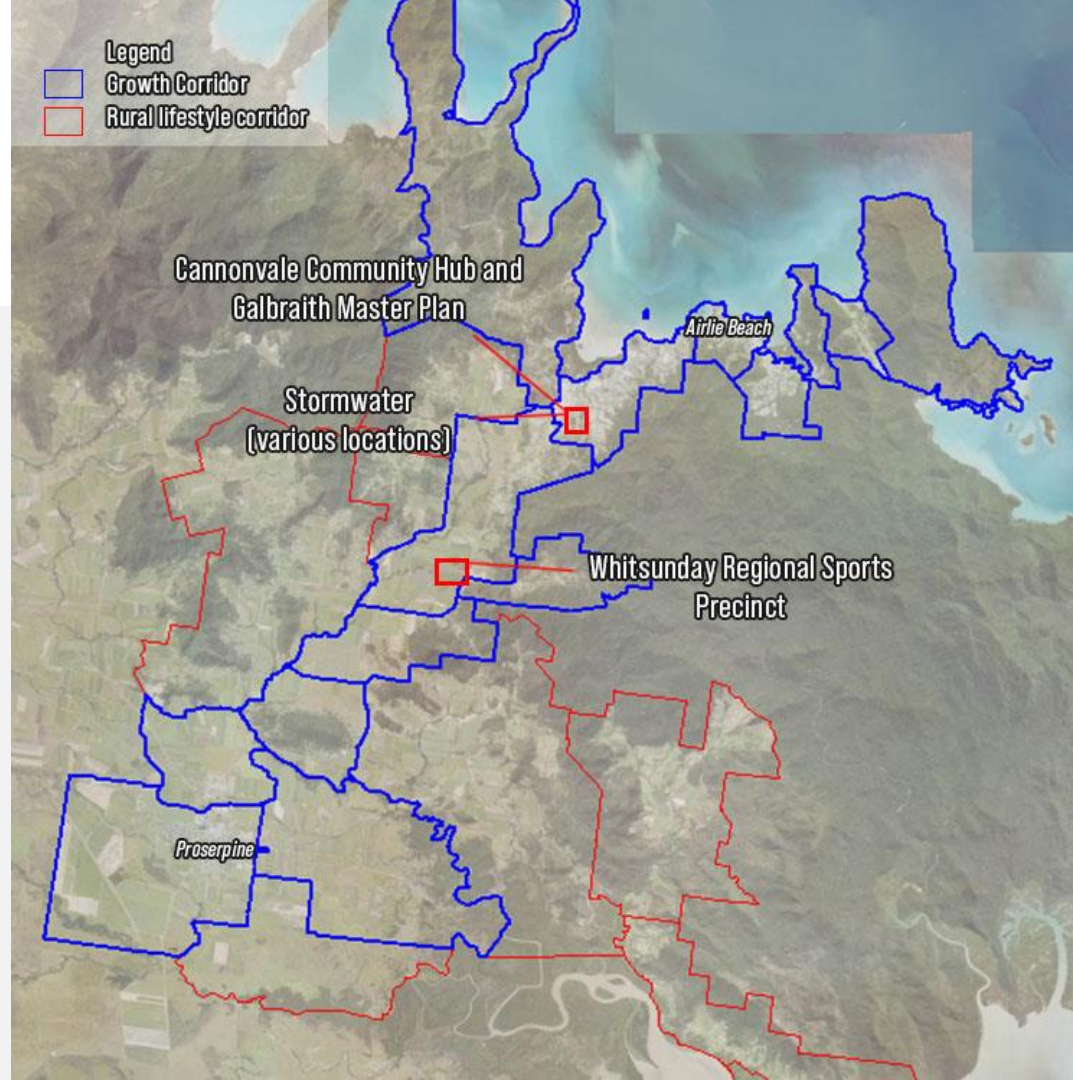
**\$70M**

WHITSUNDAY REGIONAL SPORTS PRECINCT  
- HAVENGRAND

---

**\$56M**

FLOODPLAIN MANAGEMENT PLAN & STORMWATER  
MANAGEMENT STRATEGY PRIORITY PROJECTS



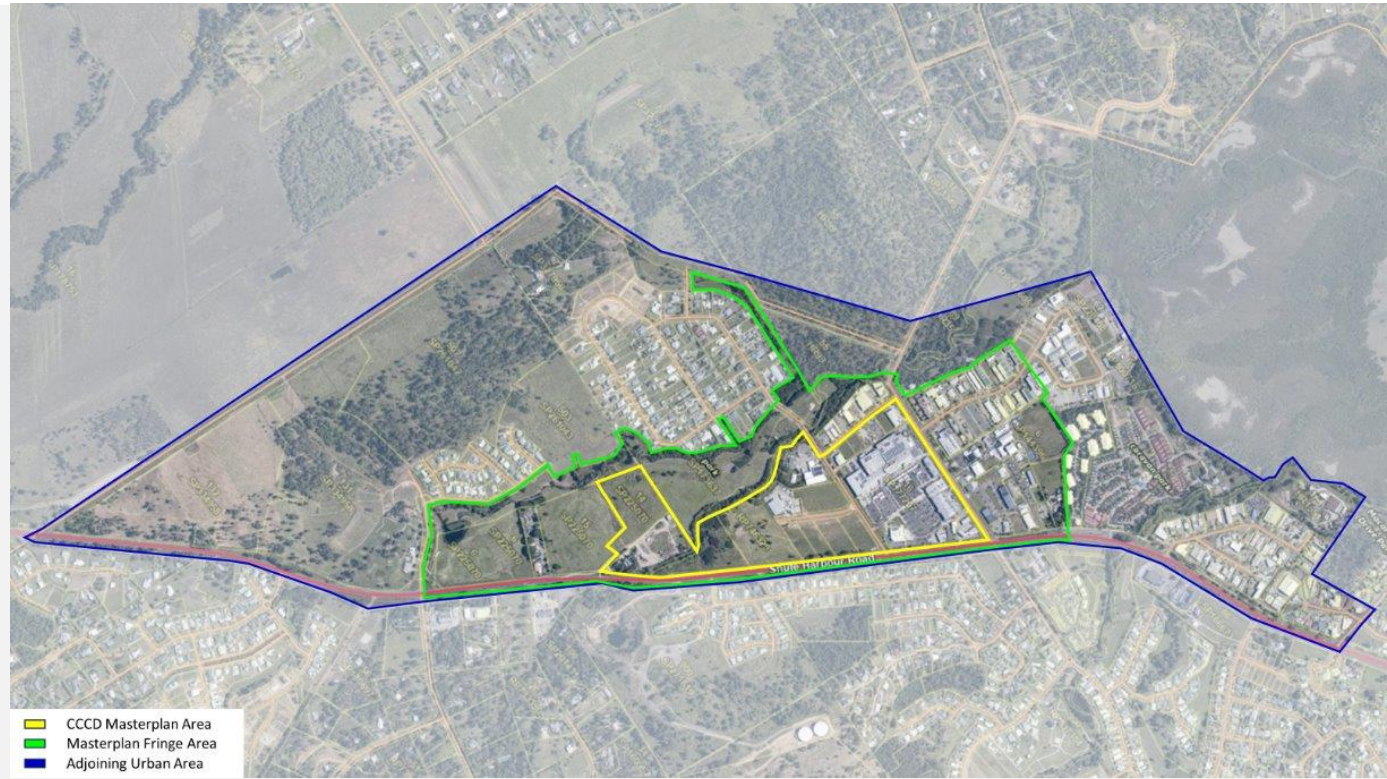
# CANNONVALE COMMUNITY HUB & GALBRAITH MASTER PLAN

## CANNONVALE CENTRE DISTRICT+



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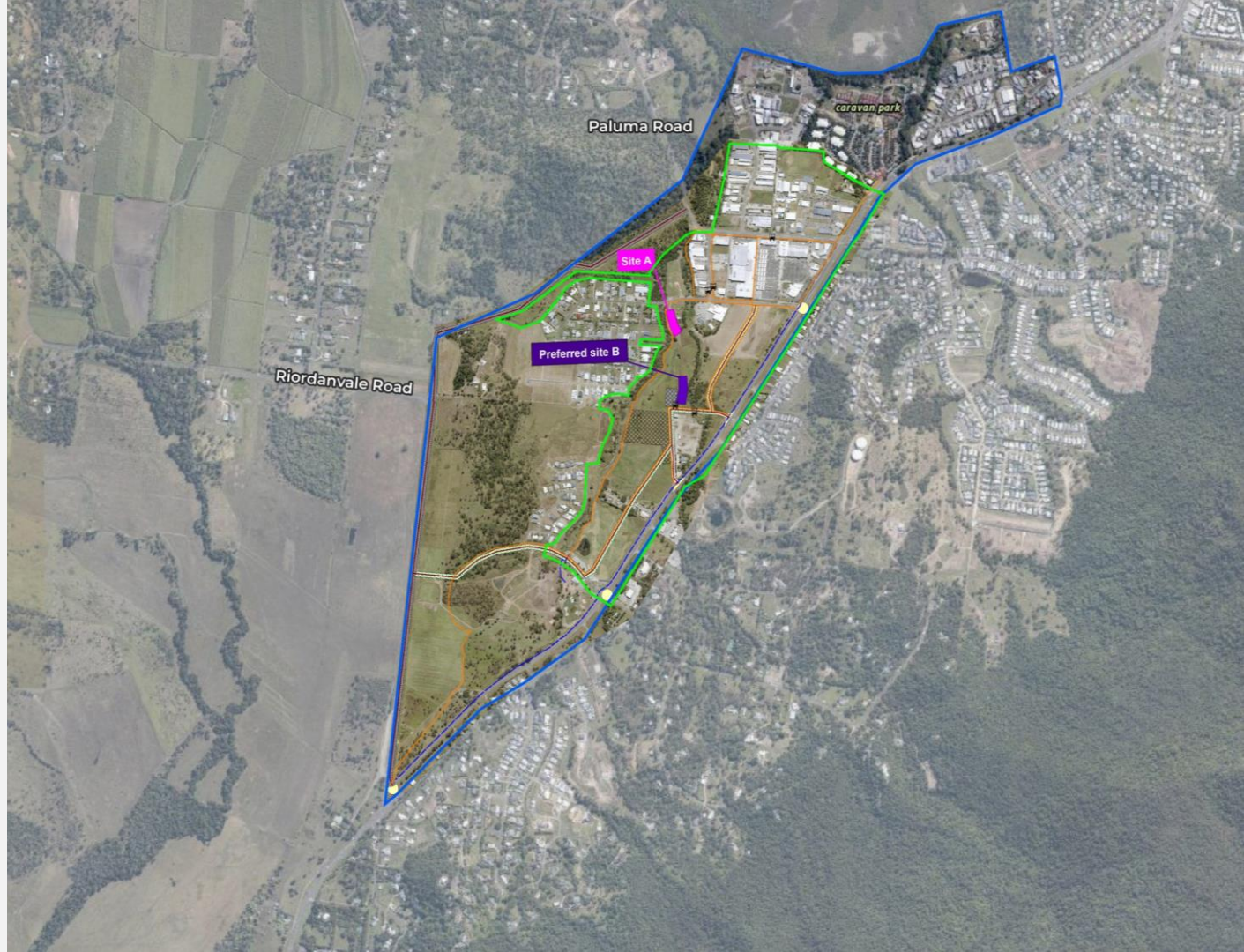
## GALBRAITH MASTER PLAN

- 15-20 year staged park recreational development
- Integration with adjoining urban development & Cannonvale Centre District
- Surrounding road & footpath connections
- Stormwater and erosion management
- Balance re-vegetation and flood capacity



# CANNONVALE COMMUNITY HUB & GALBRAITH MASTER PLAN

-  Masterplan Area
-  Adjoining urban area



# CANNONVALE COMMUNITY HUB & GALBRAITH MASTER PLAN

## LOCATION

Galbraith Drive, Cannonvale

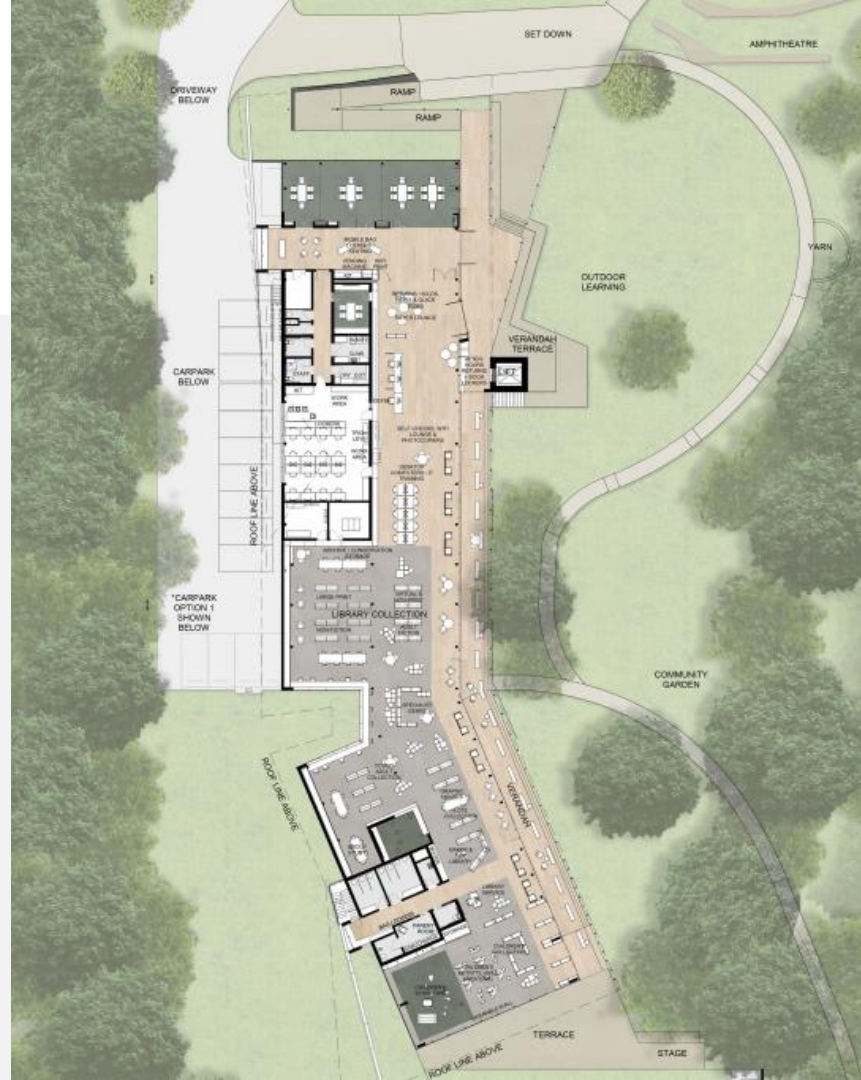
## SCOPE

Community Facility building to cater to the existing and future resident base, to include:

- Building Site
- Provision of a library
- Meeting rooms
- Hot desk facilities
- University Hub
- Arts & Cultural displays and activities

## COST

~\$30M



# CANNONVALE COMMUNITY HUB & GALBRAITH MASTER PLAN

## SCOPE DATE COST

Galbraith Drive, Cannonvale

2025 – 2027 Build

~ \$30M

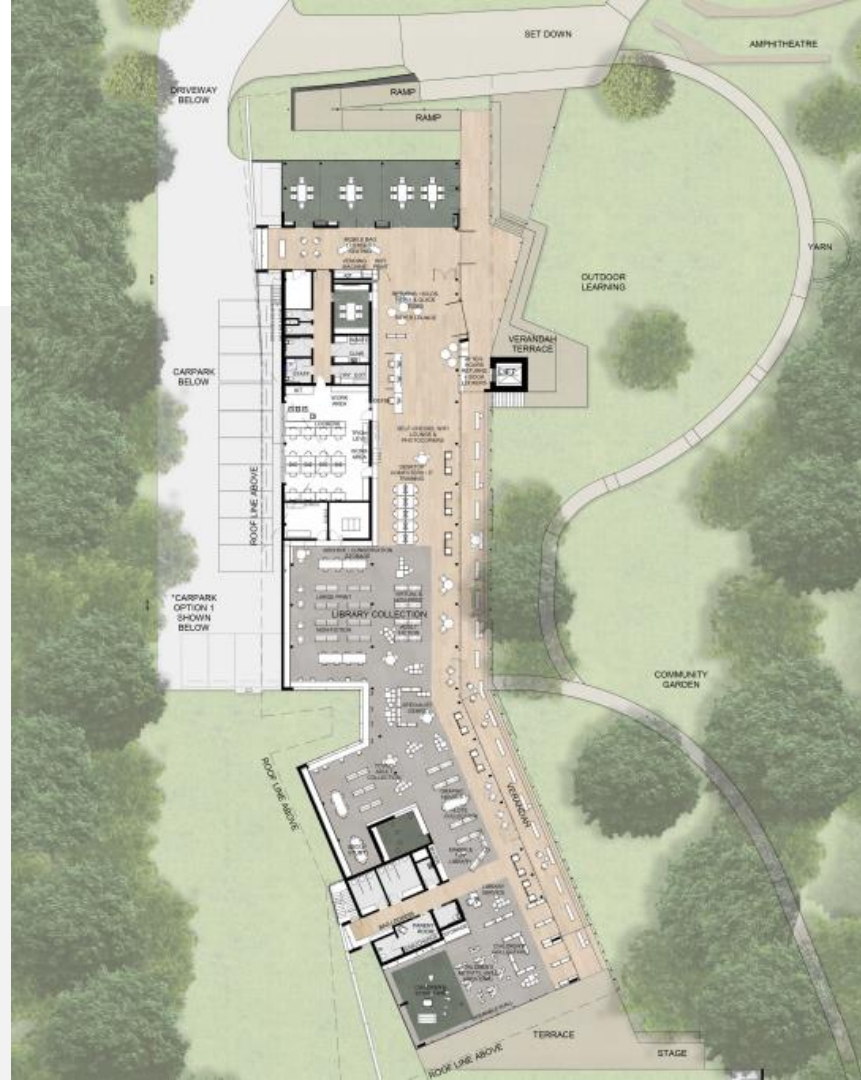
## SCOPE

Community Facility building to cater to the existing and future resident base, to include:

- Provision of a library in accordance with the State Library of QLD guide
- Meeting rooms
- Hot desk facilities – for utilisation of small business stations & education
- Opportunities for Arts & Cultural displays and activities
- ~~Carparking and access~~

## STATUS

Concept Designs and Community Engagement



# TIMELINE



GALBRAITH PARK  
LAND  
MANAGEMENT PLAN

LATE 2023



REFINE  
COMMUNITY HUB  
CONCEPT DESIGN  
& FINALISE SITING

JUNE 2024



COMMUNITY HUB  
DETAILED DESIGN

2024 - 2025



COMMUNITY HUB  
CONSTRUCTION  
SUBJECT TO FUNDING

2026 - 2027

EARLY 2025

DEVELOPMENT OF  
GALBRAITH AREA  
MASTERPLAN



EARLY 2025

CONSULTATION ON  
GALBRAITH AREA  
MASTERPLAN



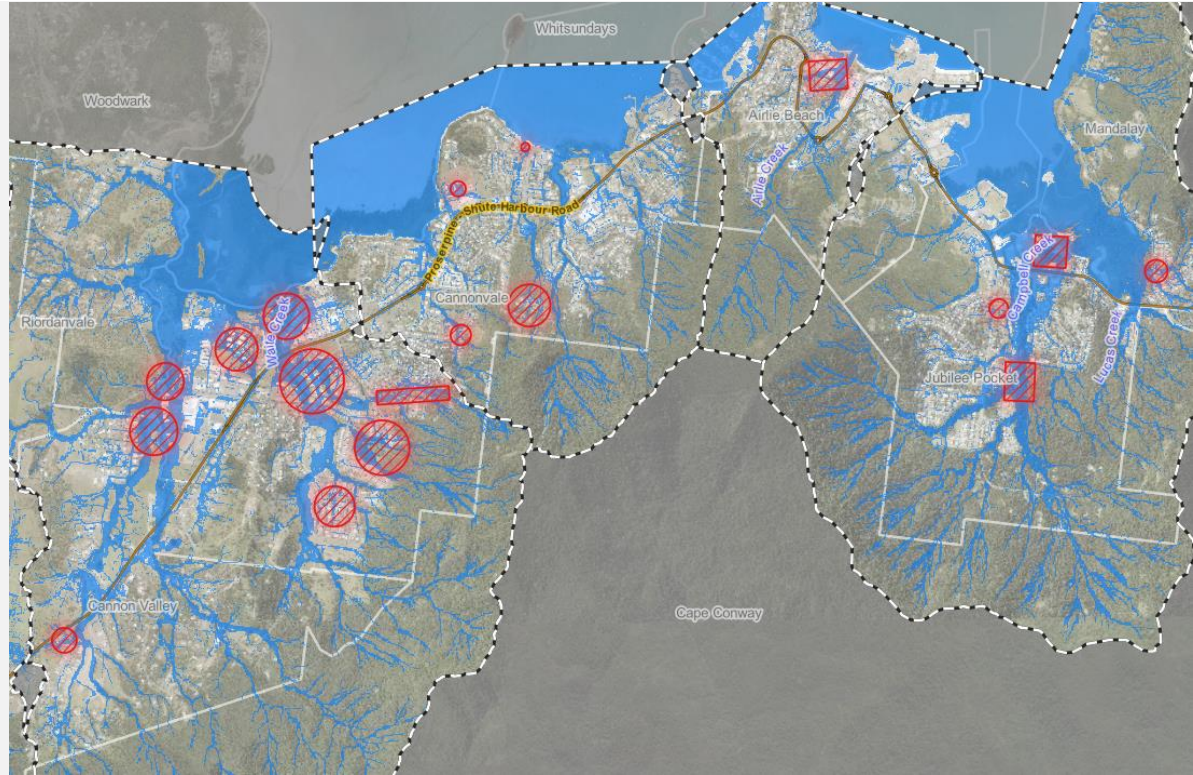
2026 - 2031

STAGED  
CONSTRUCTION  
OF PARK  
MASTERPLAN



# FLOODPLAIN & STORMWATER MANAGEMENT STRATEGY PRIORITY PROJECTS

<b>LOCATION</b>	Whitsunday Regional LGA
<b>DATE</b>	2024 - 2034
<b>COST</b>	\$56M
<b>SCOPE</b>	Flood & Stormwater Construction Projects
<b>STATUS</b>	Strategic Actions Plans informing investment planning



# FLOODPLAIN MANAGEMENT PLAN & STORMWATER MANAGEMENT STRATEGY PRIORITY PROJECTS

**LOCATION** Galbraith Creek

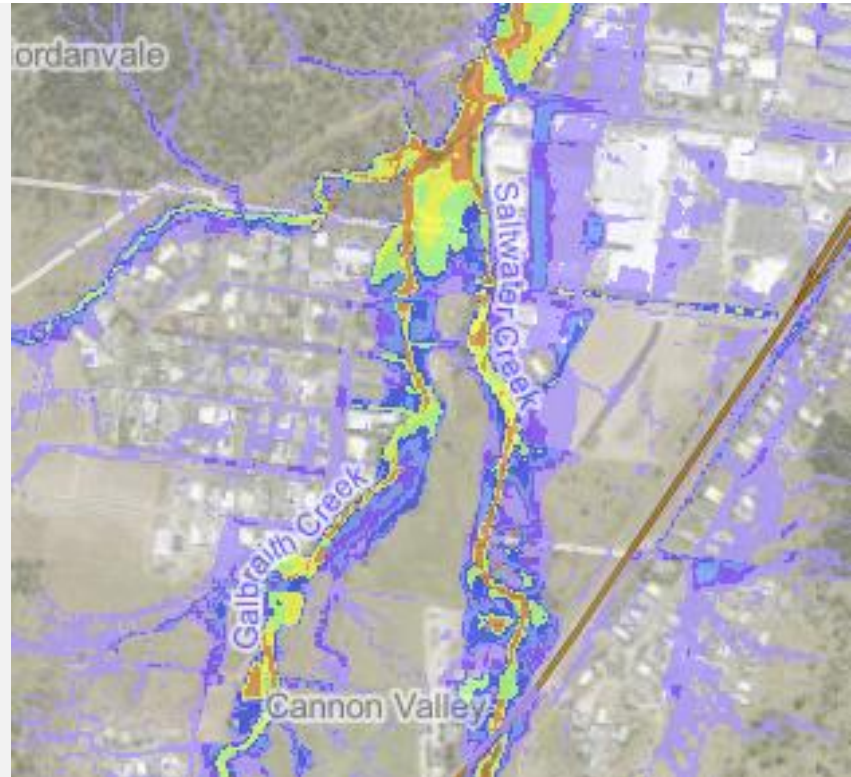
**DATE** 2024 - 2026

**ST  
COST** \$17M

**SCOPE** Flood Immunity Upgrades including:

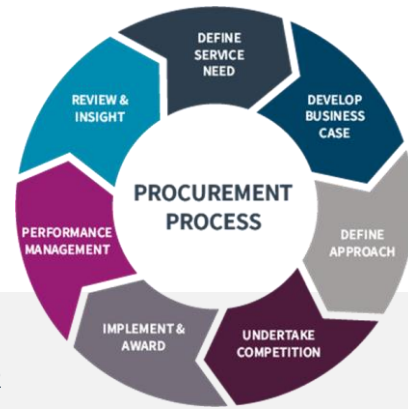
- Major Culvert/Bridge Updates
- Construct Levee system to protect high H3-4 flood hazard to residential/commercial properties
- Greenspace flood improvements

**STATU  
S** Concept Design Stage





# PROCUREMENT POLICY



## THRESHOLDS

As per Local Government Regulation 2012

## LOCAL PREFERENCE

10% for Whitsunday Region suppliers  
Preference to source bordering Councils –  
Burdekin, Isaac and Mackay

## MATES IN CONSTRUCTION

All construction projects over \$1,000,000 Council requires that Principal Contractors awarded major construction projects shall adopt the Mates in Construction (MIC) Program General Awareness Training, appropriate.

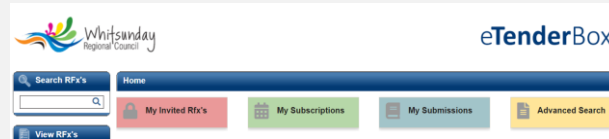


## BUILDING WORKS

Council has adopted the Queensland Government PQC System for building projects over \$10 million

# APPROACHES TO MARKET

## TENDER PORTAL



## DOING BUSINESS WITH COUNCIL - PORTAL

[Doing Business With Council](#)

# APPROACHES TO MARKET

## MINIMUM COMPLIANCE REQUIREMENTS

- Current Australian Business Number
- Safety Management Systems
- WRC Contractor induction
- Insurances – PL \$20M, Work Cover, Plant and Equipment, Works (Where relevant)
- White Card Construction

## FORMS OF CONTRACT

- Construct Only – AS2124 (With Amendments)
- Design and Construct – AS 4300 (with Amendments)
- Minor Works – AS4305 (With amendments)
- Supply and Install – AS4910 (With amendments)
- Consultancy/Professional Services and Supply agreements – Bespoke
- Terms of Business

# UPCOMING TENDER OPPORTUNITIES

## WATER AND SEWERAGE

- Coastal WTP Pump and switchboard upgrade
- Bowen WTP intake switchboard and structure works
- Jubilee Pocket trunk water main
- Renwick Road trunk water main
- Regional Sewer relining
- Cannonvale STP horizontal drum screens
- Network Configuration - Proserpine, Coyne Road and Stanley Drive
- Regional Valve program

## ROADS, STORMWATER

- Mackenzie Street Kerb and Channel
- Pandanus Street Kerb and Channel
- Unsealed Roads Creek Crossing Program
- Renwick Road shared path
- Cantamessa Road Culvert
- Stormwater Relining Package 24/25
- Paluma Rd upgrade (TIDS)
- Renwick Rd Intersection
- Valley Drive Open Drain Renewals
- Conway Road black spot project

# UPCOMING TENDER OPPORTUNITIES (Cont'd)

## PROPERTY AND FACILITIES

- Depot Masterplan
- 24.25 Airconditioning Replacement Program
- 24.25 Fencing Renewals Program
- Gloucester Sport & Recreation Centre - STP Renewal
- 24.25 Buildings Painting Program
- Les Stag Oval Changeroom & Amenities Renewal
- Proserpine Depot Mechanics, Welding & Amenities Building Re
- Dingo Beach Amenities Renewal
- New Amenities Airlie Beach Foreshore
- Bowen Sporting Complex Lighting Renewal
- Denison Park New Changerooms & Amenities

## WASTE

- Landfill Bowen Upgrade Sed Pond 3
- Landfill Kelsey Closed Cell 1 to 4 Fence Replacement
- Bowen Landfill - Legacy Landfill Cell Capping (Stage 2)
- Transfer Station Cannonvale Tipping Shed Drainage
- Landfill Kelsey Upgrade Sediment Pond
- Kelsey Creek-Capping Cell 1-4
- Landfill Bowen Leachate Evaporation Pond
- Landfill Kelsey Creek - Leachate Pre-treatment facility &
- Landfill - Kelsey Creek - Legacy Cell 1 - 4
- Bowen Landfill - Capping Stage 1, Stormwater Drain, Ground
- Landfill Bowen Culvert, Leachate Storage & Pumping Upgrades
- Landfill Bowen Stormwater Remediation Stage 2



## Get in touch

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[info@whitsundayrc.qld.gov.au](mailto:info@whitsundayrc.qld.gov.au)

1300 972 753

**Scan, register and sign up to  
receive tender updates to your inbox**





## Mackay Airport Expansion and Workers Accommodation Village

**Adrian Miles, Head of Operations (Mackay)**

North Queensland Airports



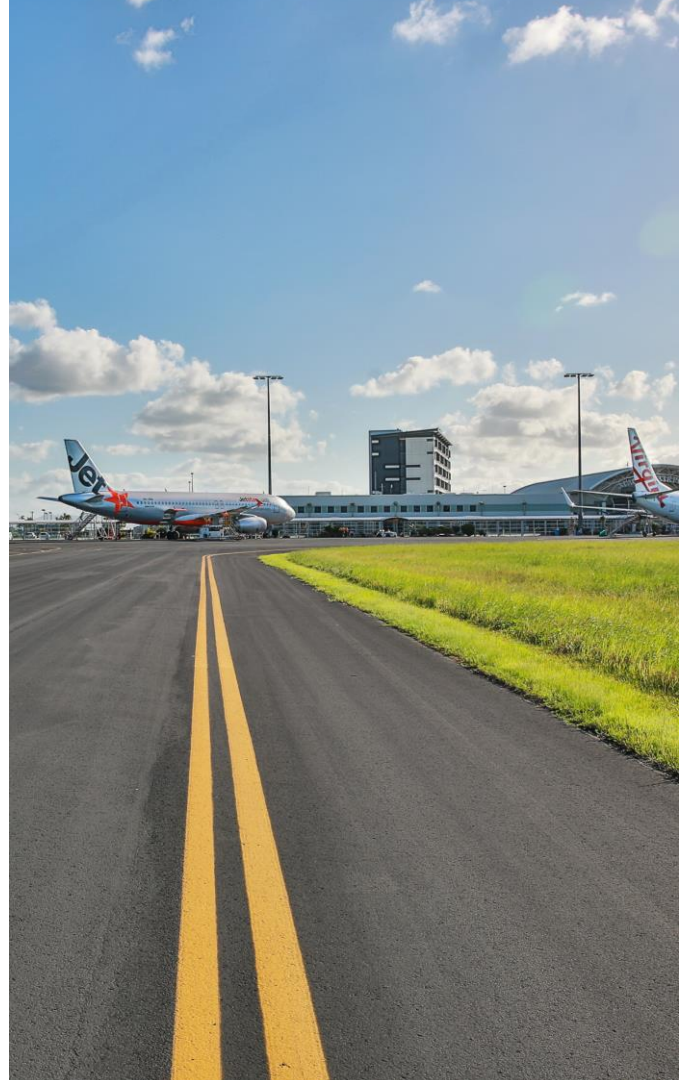
**Queensland**  
Government



# MACKAY AIRPORT

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We're building to accommodate the growth of the region





# Recent



# Terminal Enhancement Project/s



Mackay Airport

## Mackay Airport Observation Area

ENTRY PERSPECTIVE

PROJECT  
1843  
DATE  
5/03/2019

REVISION  
SK\_02  
REV  
B

**holol**  
architecture + interior design  
47-481 1102  
MACKAY AIRPORT

Bayden.Matheson@mackayairport.com



# Mackay Airport Aviation Priorities



Common User Freight / Aero  
Medical Facility

\$15m - \$20m



Apron and Terminal Facility  
Upgrade

\$20m



Pilot Training Academy

\$8-10m

TOTAL : \$43m - \$50m

Current Airline  
Freight Facilities  
constrained

Existing Individual  
operations – triples  
cost

Proposed Solution  
RTDC & Aero Medical  
\$15-20m



# Proposed Expansion \$20m



- Increased Apron Capacity
- 6 Code C Bays
- RPT & Non RPT Apron
- Dedicated Freight & Aero Medical
- Freight Apron
- Terminal Fire System Upgrade
- Pax Capacity from 1m to 1.8m
- Design & Facilitation being determined

# Mackay – The Perfect Location

Mackay Airport was previously identified by Qantas as a preferred port to provide a Pilot Training Academy, this was due to:

Unparalleled Industry, Government and Community support and alignment



Airport proximity and technical capability to operate a large pilot training facility



Technical details i.e. runway, tower, hangar space, aircraft parking space and weather conditions to allow 300 days of flying.



Accommodation for 100 and up to 250 trainees



Liveability and lifestyle of the region and close proximity to health facilities, schools, sporting, public transport and connectivity to larger capital cities.



Ability for speed to market, Land Use Plan in place to develop quickly



# Workers Accommodation Precinct - EOI

- ✓ Housing Summit Opportunity Identified
- ✓ Mackay Airport LUP
- ✓ Fast-track development
- ✓ Ideal location
- ✓ Short term acc. - Studio 1 & 2 bed & Dorm style



EOI submissions to: [Patrick.Bellot@cairnsairport.com.au](mailto:Patrick.Bellot@cairnsairport.com.au)

# Workers Accommodation Precinct - EOI



EOI submissions to: [Patrick.Bellot@cairnsairport.com.au](mailto:Patrick.Bellot@cairnsairport.com.au)





# Cairns Airport - Workers Accommodation

## **Cairns Airport Business Park Accommodation Overview**

- *Identified Dire Need – Cairns Residential Vacancy currently at 0.7% with limited tenure options*
- *Proposed 180 Units + 70 Dorm Rooms*
- *Targeted Short Term Key Workers and Student Accommodation*
- *Three-month leases to be made available to occupants (potential to have reoccurring)*
- *Staged Approach – Targeting Stages 1 & 2 to commence in October 2024*
- *Blended Take up – Aviation, Cairns Aviation Skills Centre, State Government & Private Sector*
- *Financial Viability - Indicated model meets financier metric (ongoing Due Diligence)*

Pic : Indicative CAP Development Plan – Stage 1 & 2, 3



# Milton Street Precinct – Works commenced

- Approx 200,000m2 available
- Vassallo's - all civils and trunk infrastructure for stage 1 - 25,000m2
- Target is to be ready for development mid 2025 (subject to approvals)
- In preliminary discussions with several different operators - retail, showroom and QSR's.
- NAIF Loan
- ICN Gateway for EOI's



# Runway 14/32 Overlay 2025



## On track to:

- Issued Engineering Design Tender 1 July 2024
- Tender For Construction Nov 24
- Award Tender Feb 25
- Works commence - Stage 1 Civils June/July 25
- Completion Aug 25

# Indicative Project Timelines

## Indicative Project Timelines

Project	State Funding Proposed	Planning/ Feasibility	Design	Construction
Aero Medical	Yes	Underway	Jan-25	Jul-26
Common User Freight	Yes	Underway	Jul-25	Jan-27
Terminal & RPT Apron Expansion	No	Underway	Jan-26	Jan-27
Pilot Training Academy	Yes	Jan-26	Oct-26	Jul-27
Milton Precinct	No	Complete	Complete Stage 1 & 2	Civil Works Stage 1 Sep-24
Workers Accommodation	Yes	Underway	Jul-25	Jul-26
Rwy Overlay	No	Complete	Underway	Jul-25



Office of the Coordinator-General led  
activities in the Greater Whitsunday Region

**Gerard Coggan, Coordinator-General**

Office of the Coordinator-General



**Queensland**  
Government

# Greater Whitsundays Regional Projects Forum

Gerard Coggan, Coordinator-General

COORDINATOR-GENERAL

'Make things possible for a better Queensland'



Queensland  
Government



# Acknowledgement of Country

# Coordinator-General (CG)

## Introduction

- To lead the coordination and facilitation of Queensland's major infrastructure projects and drive sustainable economic, social and environmental benefits for the future of the State.
- I am driven to make a significant contribution to the lives of Queenslanders by way of navigating current challenges, and the potential impacts on our communities, particularly our most vulnerable communities.
- I am passionate about being the CG and the role of my office, which is driven by its new purpose and vision.....

*“Make things possible for a better Queensland”*



Gerard Coggan





# OCG – Projects in the Greater Whitsunday Region

## Capricornia Pumped Hydro Energy Project

- Contribute to meeting the renewable energy targets set in the Queensland Energy and Jobs Plan.
- Approximately, 600 full-time equivalent construction jobs are expected to be created in the region and 65 jobs for operation.
- Draft Terms of Reference for the Environmental Impact Statement, has been released for public comment and is now being finalised by the CG, after considering comment.



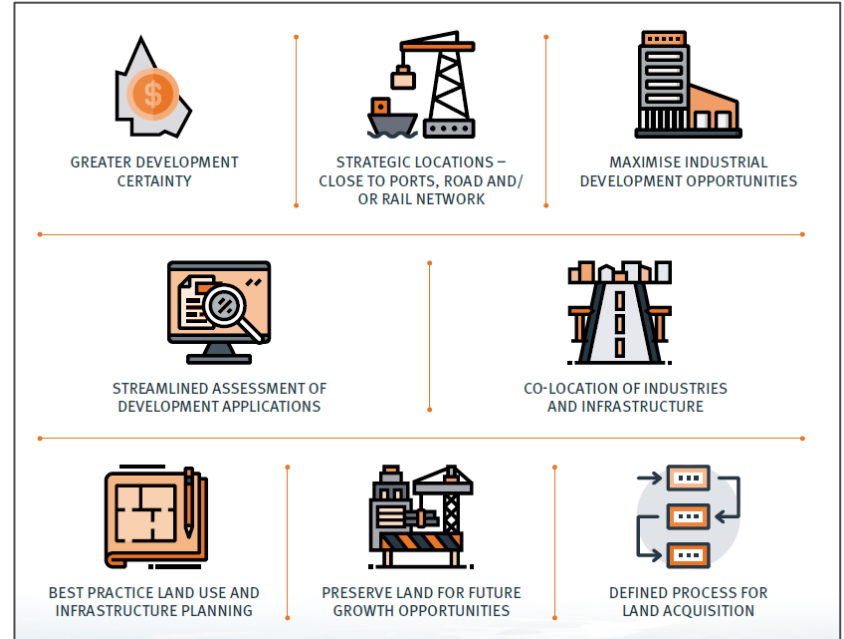
## Pioneer Burdekin Pumped Hydro Project

- Due for completion in 2032, noting that a request for coordinated project declaration is yet to be received by the OCG, and is expected in 2025.
- Located 70km west of Mackay, this project will generate up to 5GW of energy for 24 hours.



# State Development Areas

- State development areas (SDA) are clearly defined areas of land established to promote economic development in Queensland.
- There are currently 12 SDAs, across the State, including Cairns, Townsville, Abbot Point, Gladstone and Bundaberg.
- The declaration of an area as an SDA provides a unique opportunity for the State and our communities.



# Mackay State Development Area

- Mackay SDA established in February 2024
- 137 ha centered around the established Racecourse Mill and 770 ha in the Rosella area
- \$4 million project from the Regional Economic Futures Fund to prepare detailed infrastructure plans to establish the infrastructure requirements needed to support industry development in the Mackay SDA.



Racecourse Mill

# Abbot Point State Development Area

- 16,885 hectares approximately 20 kilometres north-west of Bowen
- Ideal location for industrial and port-related development that requires a large footprint, proximity to a port and separation from sensitive receptors
- \$10m from the Regional Economic Futures Fund for catalyst infrastructure to support growth at the Abbot Point SDA



# Questions



# Thank you

COORDINATOR-GENERAL

'Make things possible for a better Queensland'



Queensland  
Government



# North Queensland Bulk Ports Infrastructure Works

**Brendan Webb, Chief Executive Officer**

North Queensland Bulk Ports



**Queensland  
Government**

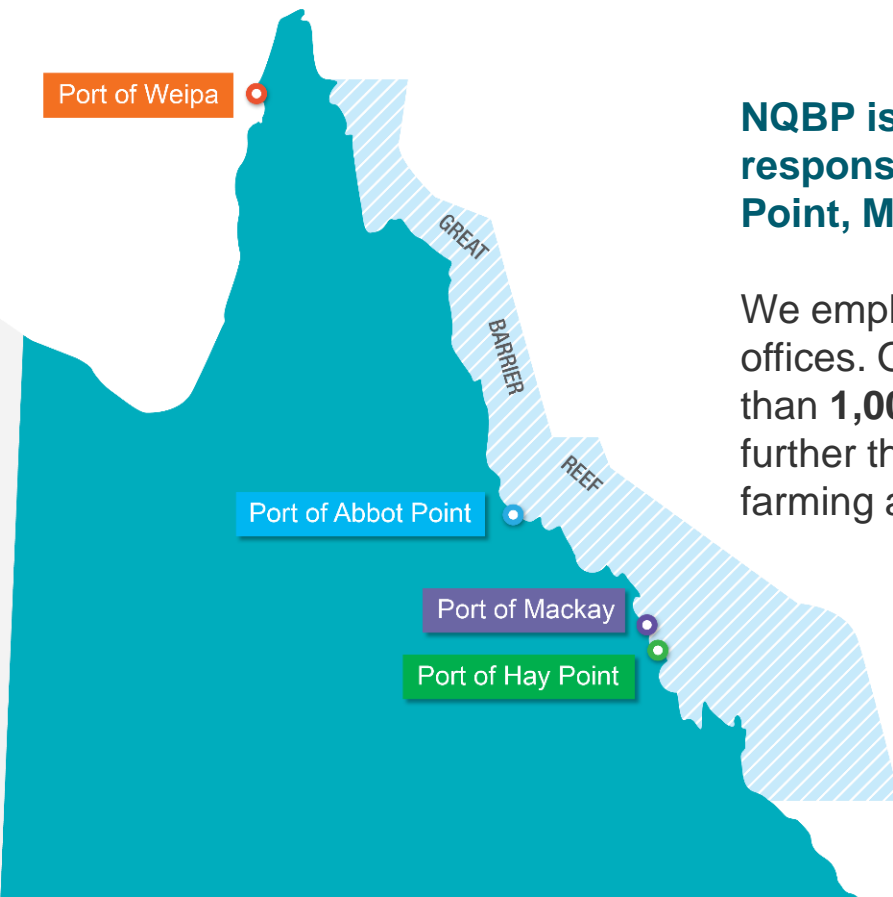
# Greater Whitsunday Major Projects Forum

CEO Brendan Webb





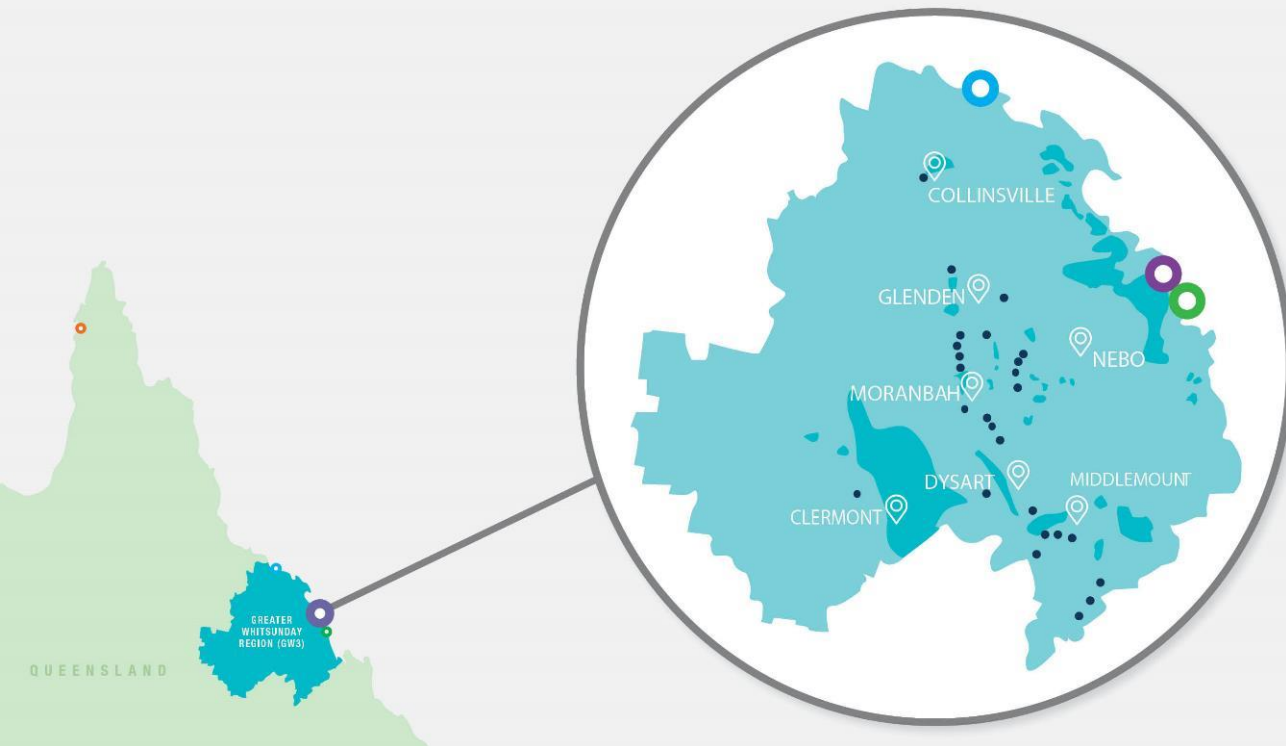
# Who is North Queensland Bulk Ports?



**NQBP is a government owned corporation, responsible for the four trading ports of Hay Point, Mackay, Abbot Point and Weipa.**

We employ around 130 people at our ports and offices. Our ports are also a place of work for more than **1,000 Queenslanders** and support a further thousands of indirect **trade jobs** in mining, farming and transport.

# Who is North Queensland Bulk Ports?



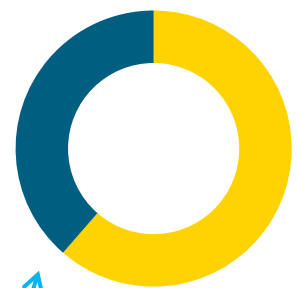
The **Ports of Abbot Point and Hay Point** connect major mining centres with the world. **The Port of Mackay** supplies many of these mines and agricultural communities with imported fuel.

-  COAL MINE
-  AGRICULTURAL AREAS
-  TOWNSHIP

# Trade by commodity

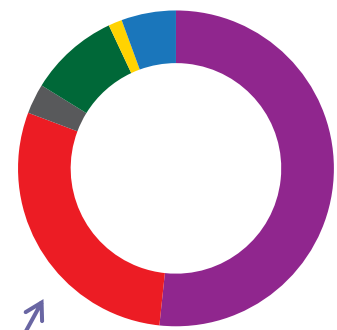
Port of Weipa

39%



<span style="color: yellow;">●</span> Energy	21.28MT
<span style="color: darkblue;">●</span> Metallurgical	13.38MT

61%



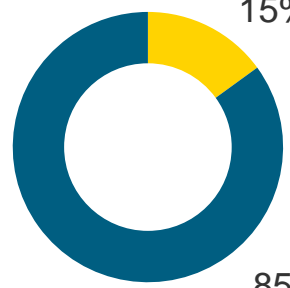
<span style="color: purple;">●</span> Fuel (import)	1.85MT
<span style="color: red;">●</span> Sugar (export)	1.04MT
<span style="color: grey;">●</span> Magnetite (import)	0.11MT
<span style="color: green;">●</span> Grain (export)	0.33MT
<span style="color: yellow;">●</span> Breakbulk (import)	0.05MT
<span style="color: blue;">●</span> Other	0.2MT

Port of Abbot Point

Port of Mackay

Port of Hay Point

15%



<span style="color: yellow;">●</span> Energy	14.83MT
<span style="color: darkblue;">●</span> Metallurgical	81.41MT

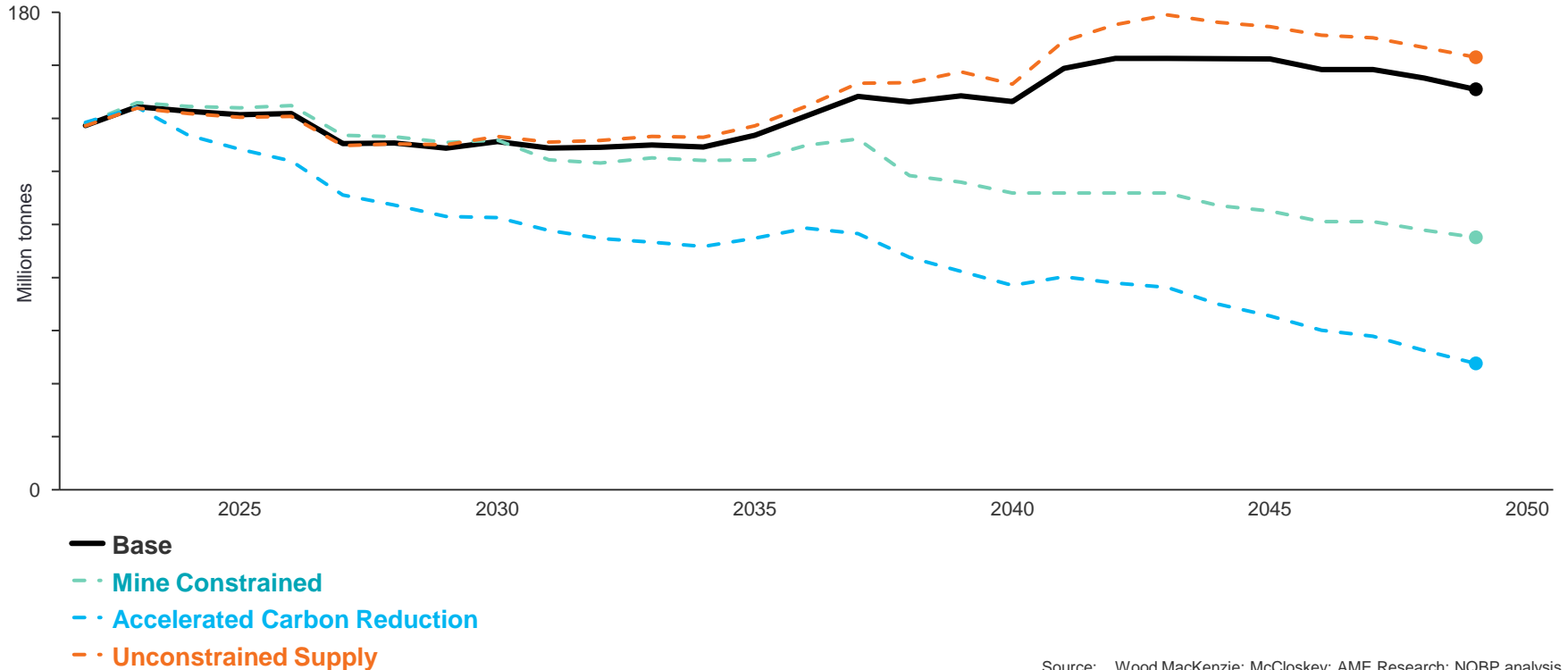
85%

GREAT  
BARRIER  
REEF

# NQBP coal forecasts



## NQBP coal exports



Source: Wood MacKenzie; McCloskey; AME Research; NQBP analysis

# Our new strategy

## Vision

We are recognised as a leader in responsible port trade, where Queenslanders thrive for generations

## Mission

To manage safe, efficient, and fair ports that connect North Queensland to the world by balancing the needs of our iconic surroundings, our communities, and our stakeholders

## Care

## Connection

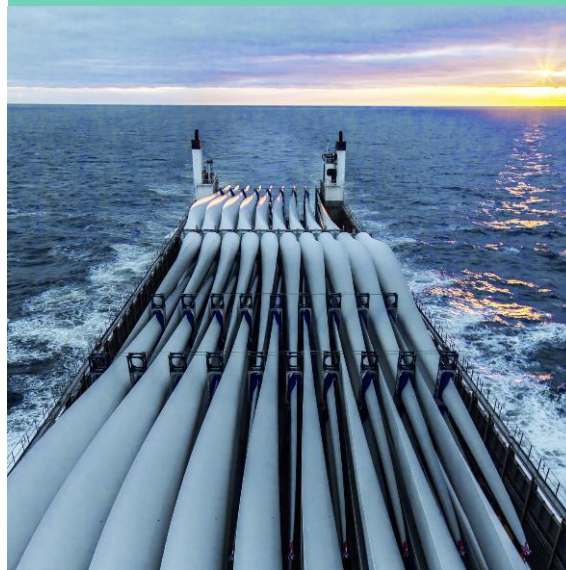
## Courage

## Curiosity

### Expand our current trade and services



### Enable future trade and services

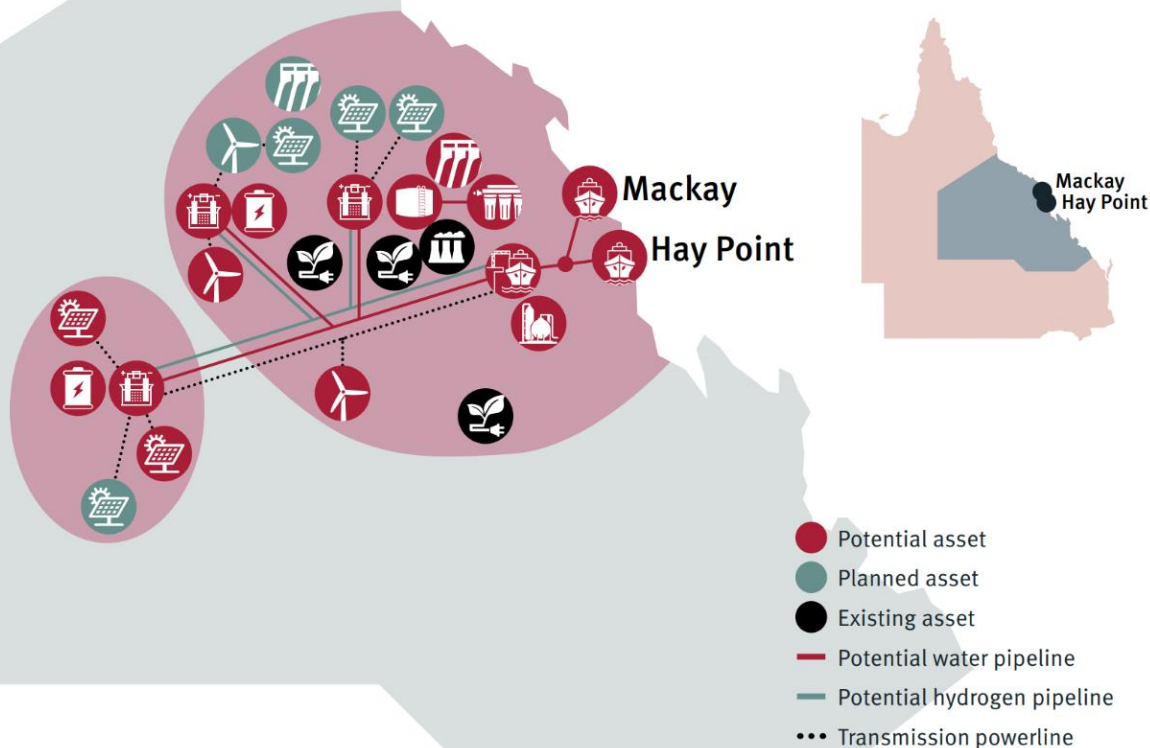


### Invest in our community & surroundings



# Our ports' role in net zero

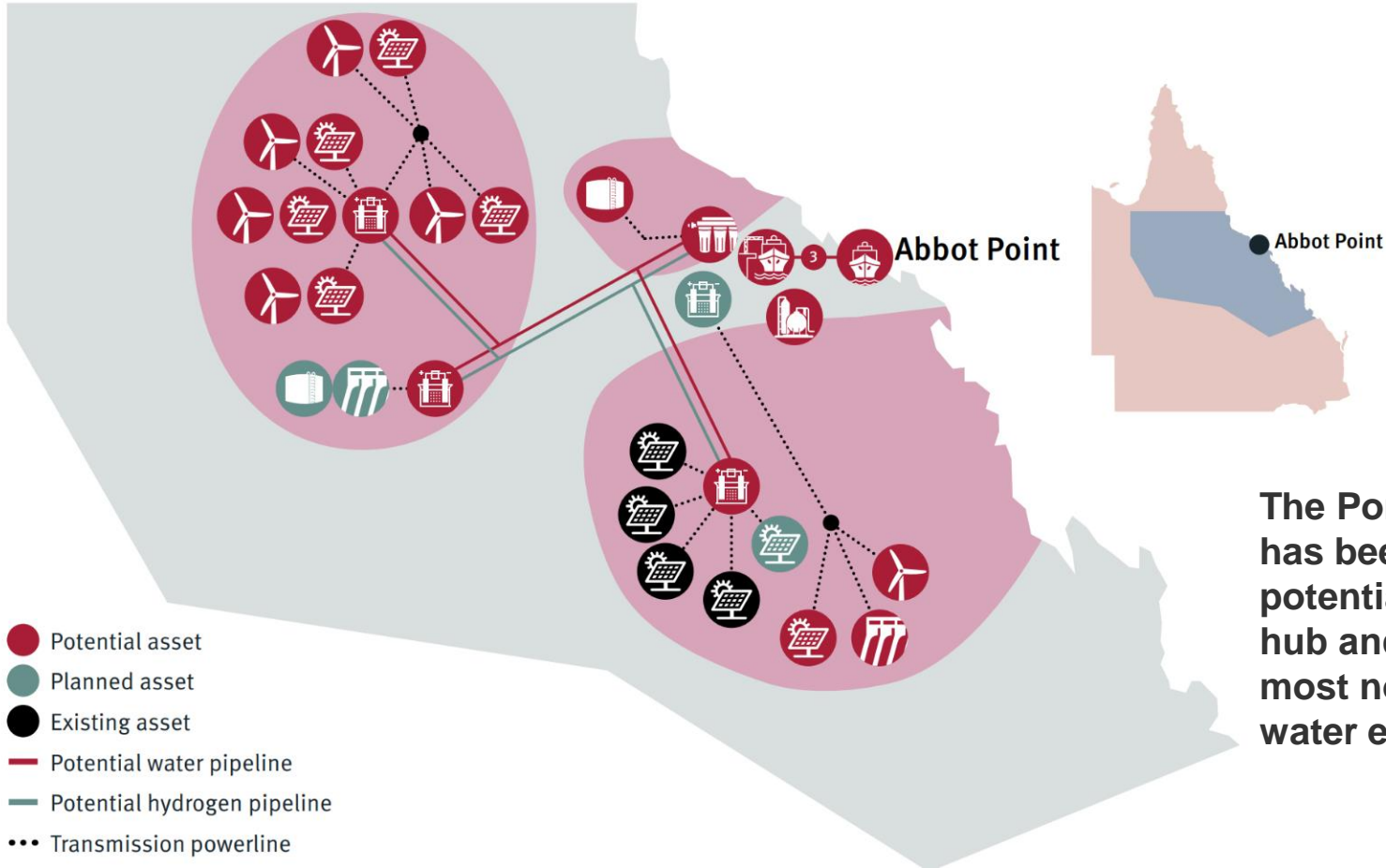
The Port of Hay Point can accommodate large vessels and has potential for expansion to accommodate hydrogen export.



Port of Mackay is key to enabling projects critical to Government achieving net zero by 2050

Mackay is an ideal gateway for importing renewable energy and industrial components to support the energy transition such as wind turbines and solar panels.

# Our ports' role in net zero



The Port of Abbot Point has been identified as a potential super hydrogen hub and is Australia's most northern coal deep-water export port.

# Port of Mackay Infrastructure Projects

Major expansion of Wharf 1 to capitalise on growing demand for imports to service the mining and renewable energy sectors in NQ.



# Enabling future trade and services

Projects*	Description	Cost estimate	Why
<b>Wharf 1 Major Expansion</b>	Infill or expand Wharf 1 to enable access for 65m+ trailers	~\$60 million	Enable containers and wind farm cargo import incl. 95m+ long blades and other heavy cargo
<b>Renewable Laydown Areas across three Precincts</b>	<p>2 hectares hardstand for up to 600TEU container and break-bulk cargo storage</p> <p>Development of greenfield 14-hectare site to enable laydown usage and future industrial developments</p> <p>1.7 hectares Ha hard stand to accommodate wind farm components</p>	~\$34.5 million	<p>Enable containerised imports and exports supporting mining decarbonisation, agriculture, renewable energy and other regional trades</p> <p>Enable longer term trade opportunities</p> <p>Enable renewable energy infrastructure imports</p>

\*Figures are preliminary estimates, subject to further investigations, internal and government approvals



# Expand our current trade and services

Project	Description	Cost estimate
<b>Port of Mackay New Corporate Office</b>	New Administration building within the Port of Mackay for all Mackay-based staff	~\$8.5 million
<b>Wharf 5 Dolphin Walkways</b>	Replacement of East and West walkways	~\$1.5 million
<b>Middle Breakwater Road Upgrade</b>	Road pavement upgrade to address end-of-life and potential future uses.	~\$5 million



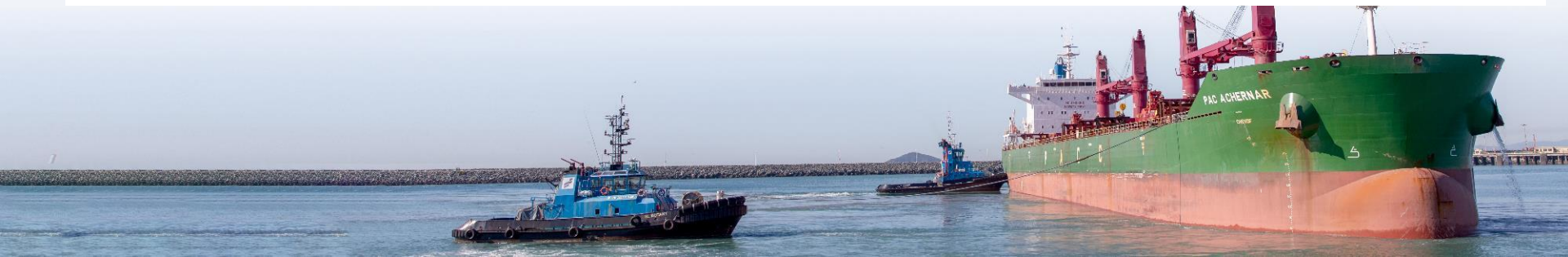
## Investing in our community & surroundings

Project	Description	Cost estimate
<b>Bowen Wharf</b>	Replacement of the existing wharf with a resilient jetty to cater for future needs and generations	\$68 million
<b>North Wall Beach Recreation Area Improvement</b>	Landscaping, toilet facility and car park pavement	~\$2 million



# Proponent readiness

Projects	Description	Why
<b>Hay Point Hydrogen study</b>	Feasibility studies to understand the onshore & offshore infrastructure requirements for development a new ammonia export terminal	Trade diversification
<b>Abbot Point Hydrogen study</b>	Feasibility studies to understand the onshore & offshore infrastructure requirements for development a new ammonia export terminal	Activate the Port, Abbot Point State Development Area & the broader region and assist global partners in reaching decarbonisation objectives
<b>Abbot Point Environment Management Plans</b>	Define environmental values across the Port and APSDA and prepare and implement a Coordinated Management Strategy	Provide a framework for stakeholders & development proponents to invest in management and protection of the identified environmental values
<b>Abbot Point Cultural Heritage Plan</b>	Define cultural values across the Port & APSDA & prepare & implement a Coordinated Management Strategy	Ensure cultural values are identified & protected in a coordinated manner



# Work with us – key contacts



Brendan Webb  
CEO



Darren Brownsey  
General Manager  
Commercial and  
Maritime Services



Tim Lewis  
General Manager  
Infrastructure and  
Operations



Hossein Saadai  
Senior Manager  
Engineering and Planning



Simon Nash  
Senior Manager Asset  
Services



Petra Graham  
Manager Commercial and  
Trade Development

THANK YOU

