



Planning,
Industry &
Environment

Water Infrastructure NSW

Southern Basin Project Pipeline

Presented at Moama 12 November 2021. All information up to date information.

Welcome to Country

Richard Ronnan, Wollithiga Elder

Presented at Moama 23 November 2021. More up to date information may be available.



Presented at Moama on 11 November 2021. More up to date information may be available.

The Hon. Melinda Pavey

Minister for Water, Property and Housing



Department of Planning, Industry and Environment

Anissa Levy

CEO Water Infrastructure NSW



Department of Planning, Industry and Environment

Introducing Water Infrastructure NSW

We are responsible for development and delivery of key government water infrastructure projects in NSW



Increase the state's long-term water security



Build drought resilience into our regional water supply



Provide greater access to safe and sustainable water and wastewater services through co-funding new treatment plants and reservoirs in regional areas



Expand ground water supplies in regional areas



Improve outcomes for the environment by more effectively and efficiently delivering water to where it is needed in our rivers, creeks and wetlands

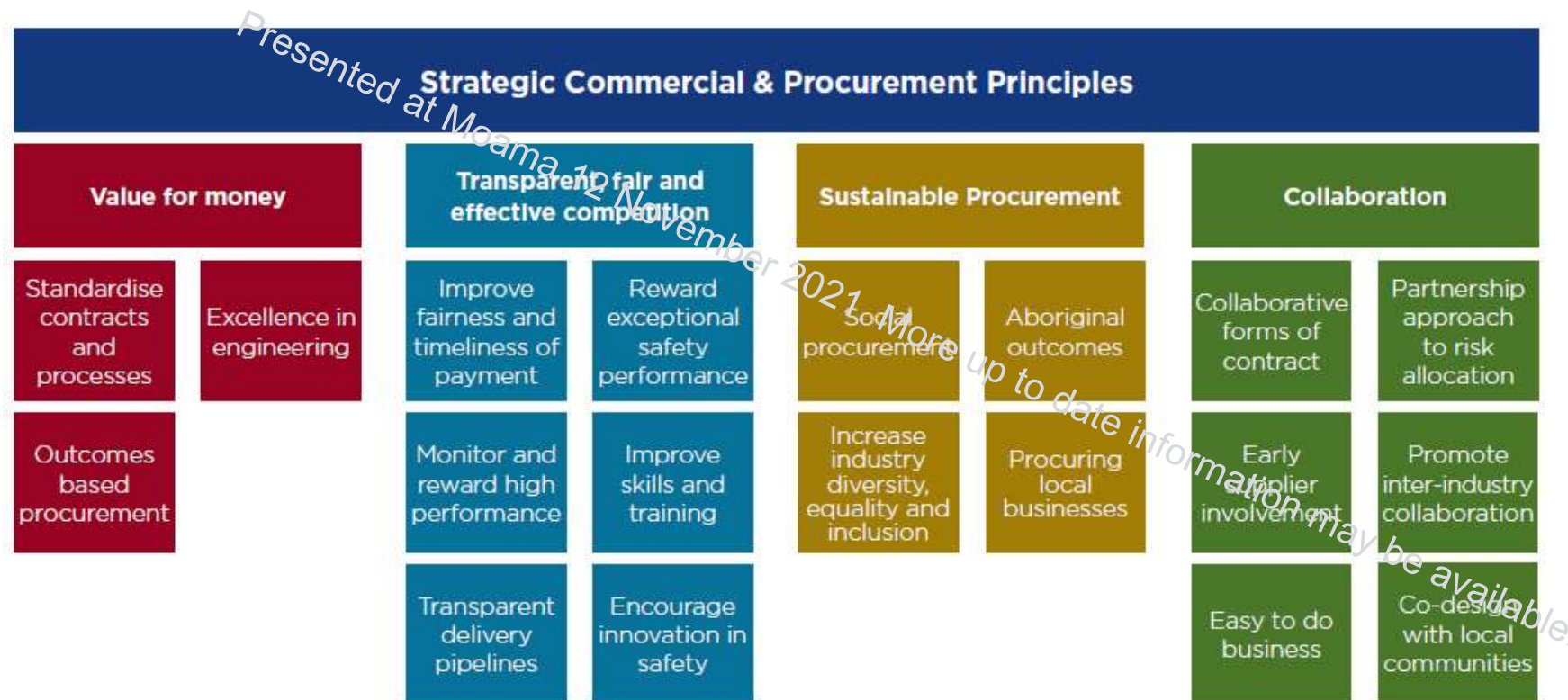


Achieve better outcomes for Aboriginal communities, improving cultural water flows and delivering broad benefits via our projects.



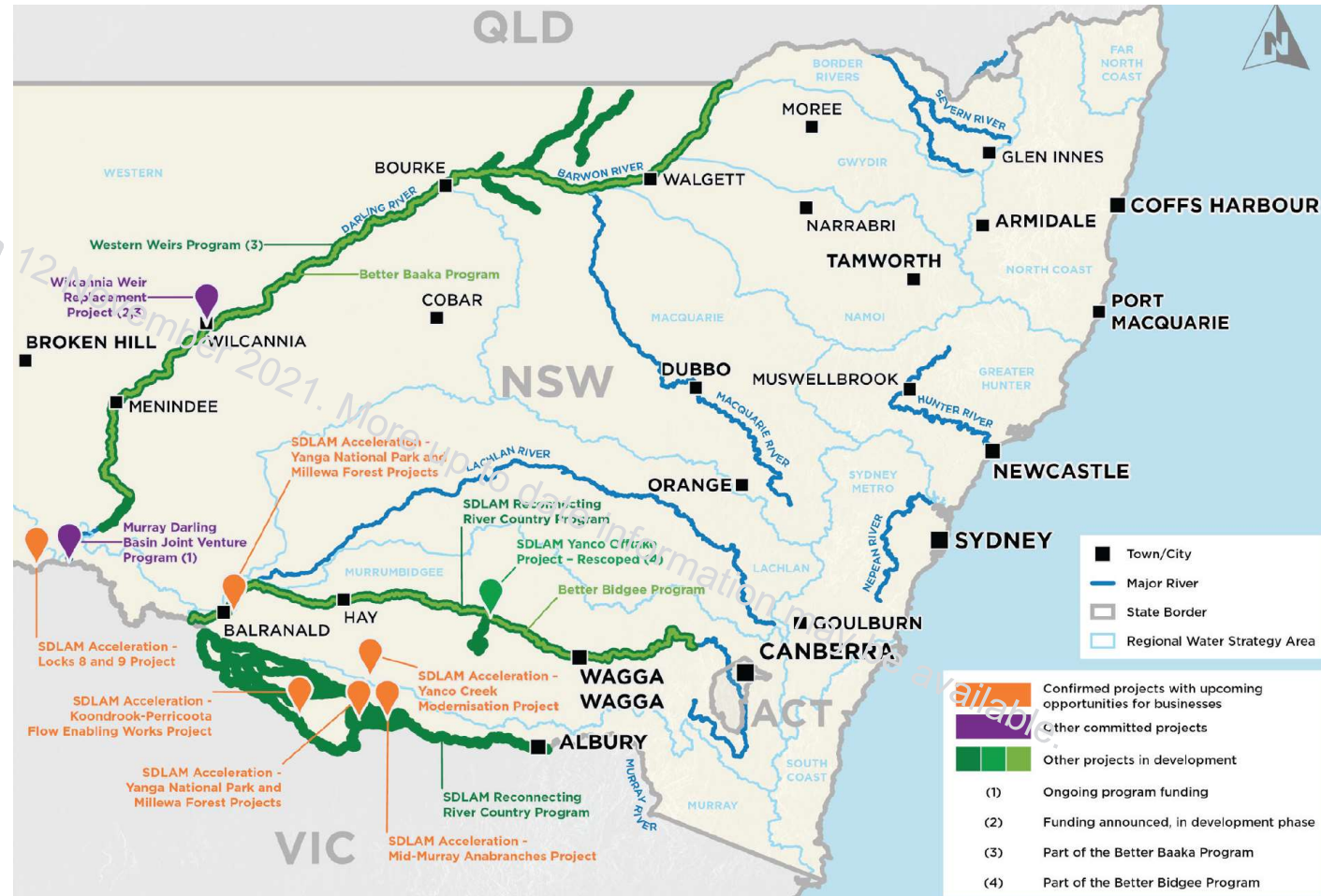
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Our vision and purpose



Southern basin region

- More than \$330 million in fully funded projects over the next 2-3 years
- 5 key projects as part of our acceleration program with upcoming opportunities for industry in the region
- We will be coming back early next year to share more information and detail on the projects ahead.



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Paul Wade

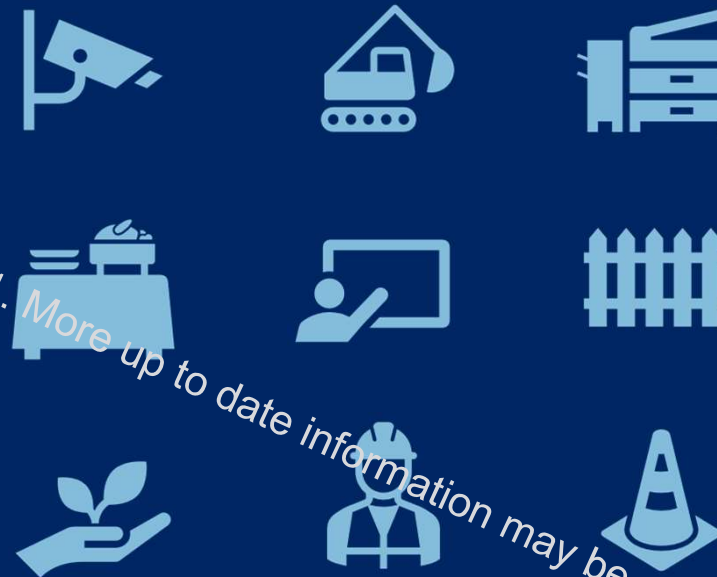
Head of Water Infrastructure Portfolio Management Office



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Working with Water Infrastructure NSW

- Opportunities for small and large contractors, suppliers and ancillary services
- Be aware of Commonwealth and NSW Government requirements for tenderers
- Tell us about your service or goods by registering your business with us today.



Registrations and requirements

Detailed information
available today

- Register for NSW Government e-Tendering website
- Register for NSW Government pre-qualified schemes for more opportunities to tender
- We are committed to the Aboriginal Procurement Policy to create and support opportunities for Aboriginal people across NSW
- Commonwealth requirements for head contractors of construction projects.



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We value safety and wellbeing



We are committed to the safety and wellbeing of all our people, industry partners and the communities we work in.

- Construction contracts will require businesses to hold current ISO certification for occupational health and safety, environmental and quality management systems to be eligible to tender
- Accreditation with the Office of the Federal Safety Commissioner is mandatory for head contractors on contracts over \$4 million
- Please register your local business or service if you can support our projects with any safety-related goods or services, e.g. PPE, traffic control, training.

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Brad Hollis

Director Southern Projects



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Southern basin project pipeline

- More than **\$330 million** of fully funded projects over 2-3 years within the SDLAM Acceleration Program
- 5 SDLAM projects all with multiple contracts and packages
- 12-18 months of construction work in each project
- Starting to come to market in the next 6 months and estimated for completion by end 2024.

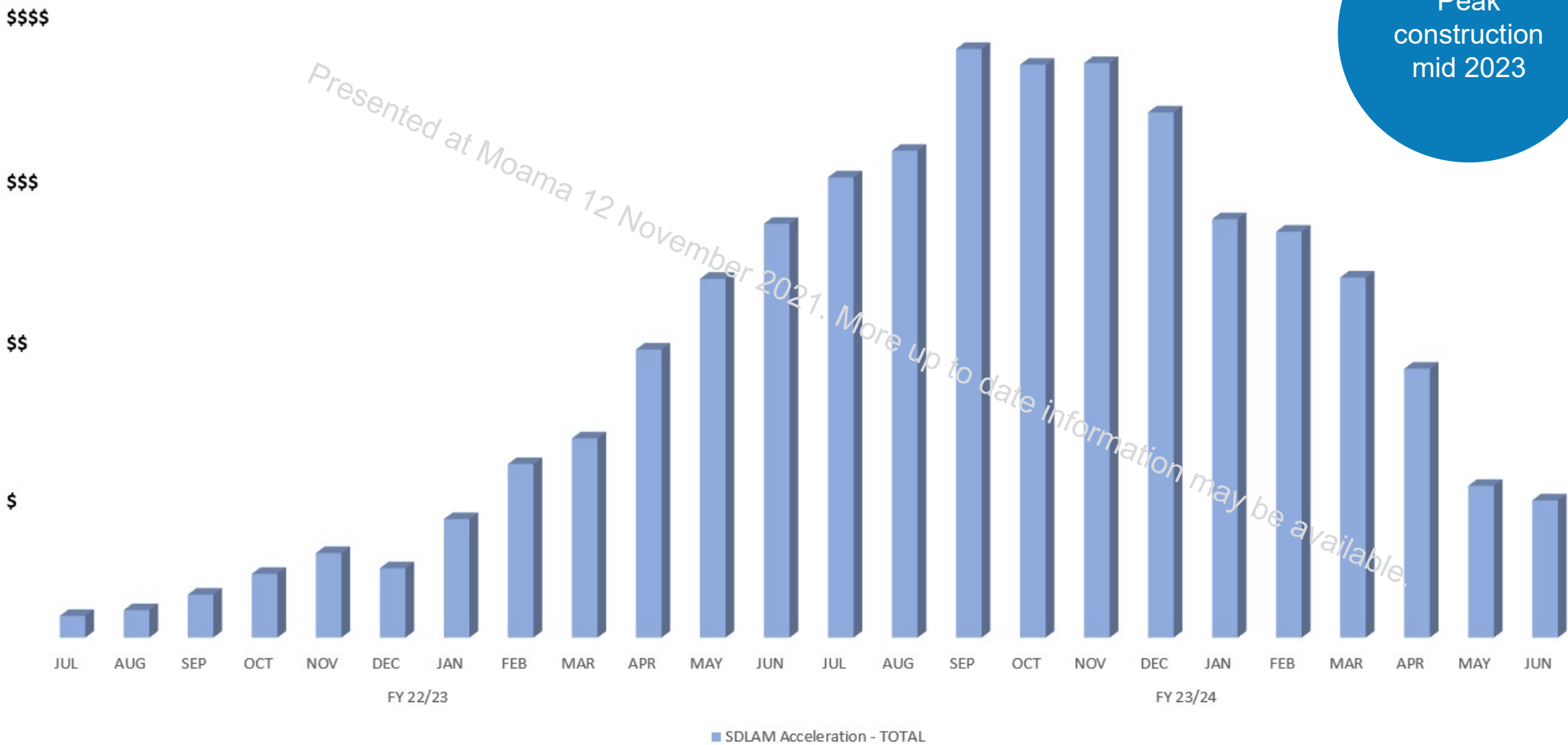


- Mid-Murray Anabranches Project
- Locks 8 & 9 Project
- Yanco Creek Modernisation Project
- Koondrook-Perricoota Flow Enabling Works Project
- Yanga National Park and Millewa Forest Projects.

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Indicative peak construction forecast

Peak construction mid 2023



Locks 8 and 9 Project

Sustainable Diversion Limits offsets in the Lower Murray

The proposed works are near the towns of Wentworth, Buronga, Mildura and Renmark, and will replace existing weirs with regulators and fishways.

- 1 large fishway
- 2 new regulators and fishways
- 2 new block bank regulators
- Various new access tracks
- 2 bridges across regulators
- 1 new bridge.



Construction
May 2022 to
April 2024



Key project outcomes:

- Reinstating fish passage and high value habitat
- Improved flow management
- Reinstating a more natural water regime.

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Mid-Murray Anabranches Project

Part of the Yarrawonga to Wokool constraints

Works will be near the towns of Toombool and Deniliquin, improving the flow regimes and removing barriers to fish movement.

- 32 farm bridges
- 5 light vehicle crossings
- 2 rock causeways
- 8 rock crossings
- 112 fence crossings
- 29 levee works
- 124 km of access tracks.



Construction
June 2022
to October
2023



Key project outcomes:

- Restore health of the creek systems
- Recovery of native fish populations
- Improving flow regimes.

Koondrook-Perricoota Flow Enabling Works Project

Part of the Yarrawonga to Wodonga constraints

This project is near the townships of Echuca, Moama and Barham.

- 6.2 km of levee
- 1 bridge removal and replacement
- 2 removal and replacement of block banks with structures
- 2 upgrade and replace regulators.



Construction
October
2022 to
June 2024



Key project outcomes:

- Enable greater flows
- Improve ecological outcomes.

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Yanco Creek Modernisation Project

Modernising Supply Systems for Effluent Creeks Project

A series of works over 800 km of interconnected waterway at several locations on Yanco, Billabong, Colombo and Forest creeks, near Morundah, Jerilderie, Conargo and Wanganella.

- 4 x re-regulation weirs
- 7+ additional hydrographic stations
- 20+ gates and flow structures
- 10+ fishways
- 10+ access improvements / upgrades
- Multiple ancillary culvert, pump structures, coffer dams and temporary works, third party infrastructure modifications, weir removal.



Construction
December
2022 to May
2024

Key project outcomes:

- Improved connectivity
- Reinstated fish passage
- Improving flow management for ecological, cultural and socio-economic outcomes.

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Yanga National Park and Millewa Forest Projects

Murrumbidgee and Murray National Park Project

Located in the Yanga and Murray Valley National Parks, near the towns of Barranald (Yanga) and Mathoura, Tocumwal and Deniliquin (Millewa).

- 5 New regulators
- 2 Regulators refurbished
- 2 fishways
- +20km access tracks
- 3 sills
- 7 culverts
- 3km pipeline.



Construction
February
2023 to May
2024



Key project outcomes:

- Improved flow management to achieve more targeted environmental watering
- Improved wetland habitat
- Improvement in flood dependent biota.

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Direct and indirect opportunities

- Big and small contracts
- Carry out subcontract work for a head contractor
- Enter into Joint Venture with larger contractor
- Provide construction and site supplies
- Provide services – e.g. security, equipment & machinery, uniform, printing, catering, training.



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Equipment manufacture and supply

- Regulating Gates
- Fishway components
- Weir components
- Remote controls and telemetric communication components (SCADA)
- Culverts and pipework
- Pumps
- Signage and access components
- Structural elements
- Fencing.



Contractor construction phase support

Technical and engineering services to support finalisation of design, shop drawings, CEMP activities and commissioning:

- WHS Management
- Project and Construction Management
- Civil Engineering
- Mechanical and Electrical Engineering
- Structural Engineering
- Temporary Works Design
- Instrumentation and Controls Engineering
- Environmental / Heritage Management and Monitoring
- Traffic Control and Site Security.



Construction

- Temporary works
- Bulk Earthworks
- Piling
- Sheet piling
- Marine and land structures
- Road and accessway construction
- Bridge construction
- Pipework and drainage
- Landscaping
- Automation and control.



Anissa Levy

CEO Water Infrastructure NSW



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Thank you

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