Ngarluma Water Desalination Project (DSP)

The next Pilbara water supply solution

Legacie™

The need
Economic and sustainable water supplies delivered through shared infrastructure is required to support decarbonisation of the resources and industrial sectors in the Pilbara region.

The solution
Legacie has access to coastal tenure, Traditional Owner agreements, a streamlined approval processes, access to capital, and a partnership with a global leader in seawater desalination plant construction and operation.

The opportunity
Legacie is offering the opportunity to secure Foundation Water Offtaker status, ensuring a long-term supply allocation from the Ngarluma Water DSP.

The Ngarluma Water Opportunity

A large-scale desalination plant on a project-ready land assembly, connected to major Strategic Industrial Areas of the Pilbara.

Bulk water supply potential Legacie has partnered with Suez Water (Suez) and Ngarluma Aboriginal Corporation (NAC) to create "Ngarluma Water". This company will develop the Ngarluma Water Desalination Project, located at on the Pilbara coast at Balla Balla with potential for staged capacity up to 150GL/year.

Sustainable water supply Seawater desalination provides climate independence and avoids the potential for impacts to environmental and cultural values associated with groundwater supplies in the Pilbara.

Access to land The Balla Balla land assembly is a large scale (60,000ha), investment-ready land parcel that includes approved tenure, and Traditional Owner and Pastoralist support.

Renewable energy supply Legacie holds tenure covering land that is suitable for wind and solar generation.

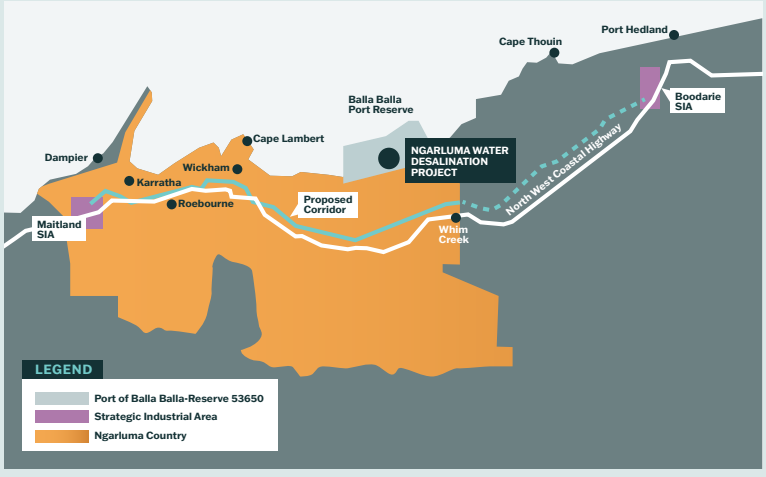
Access to major infrastructure the Balla Balla location intersects the North-West Interconnected System (NWIS), the proposed Balla Balla Port export facility and the Pilbara Energy Pipeline.

Known future demand locations The NWIS corridor provides an ideal route for east-west pipelines to supply Boodarie Strategic Industrial Area (BSIA) and Maitland Strategic Industrial Area (MSIA) for green steel, hydrogen, minerals processing, and other offtakers.

Close to resource projects Balla Balla is less than 100km from major export ports, iron ore, gold and lithium projects, plus pastoral stations (biofuels, produce, agriculture).

Future growth staged water supply development options for additional national and international proponents.

Legacie is currently engaging with potential Foundation Offtakers to participate in the development of the DSP, with the opportunity to secure capacity in the desalination plant and conveyance network.



Ngarluma Water Desalination Project Process

Early project scoping studies by Legacie have identified a preferred location for the seawater desalination plant in the Balla Balla area of the Pilbara Region, within Ngarluma Country and Pilbara Port Authority waters.

Ngarluma Aboriginal Corporation are supportive of the desalination plant; they have consented to tenure and are progressing the relevant Native Title agreements and heritage surveys.

Ngarluma will be an equity shareholder over the life of the desalination plant, the returns of which will provide ongoing and long-term benefit to the Ngarluma people.

Environmental studies are underway to enable an Environmental Scoping meeting to be held with the EPA Q2, 2024.

The desalination plant is located within existing State and Commonwealth approved footprints for a previously proposed Balla Balla Export Facility, which enables existing studies and environmental impact assessments to be used to achieve a significantly expedited approvals timeframe.

Project Development and OoM-level study activities scheduled for 2024

- Secure Tenure and investigation licenses through Land Administration Act (s91) and Ports Authorities Act for the Balla Balla Port and pipeline corridor areas
- Finalise Native Title agreements with NAC, including Heritage Agreement, Indigenous Land Use Agreement (ILUA) and Equity Agreement.
- Development of supplier and contractor agreements for the desalination project, including power supply
- Negotiation of water offtake commitments for long-term take-or-pay water supply contracts
- Complete gap analysis of existing environmental studies and carry out additional surveys if required.
- Referral meetings with the WA EPA and Commonwealth Dept. of Climate Change, Energy, Environment and Water to confirm and advance the environmental approval process.
- Commercial modelling and demonstration of commercial viability
- Preliminary engineering, design and related assessments
- Scoping of technical design, definitive engineering and environmental monitoring/surveys for a Feasibility. Study to be completed in (2025)

Legacie: Delivering water solutions differently

Legacie challenges the way water projects are developed and delivered through a streamlined, collaborative delivery model.

Investible projects We identify and cultivate opportunities to meet long-term water demands through integrated, strategically important, investible projects developed as 'common user' infrastructure, where possible.

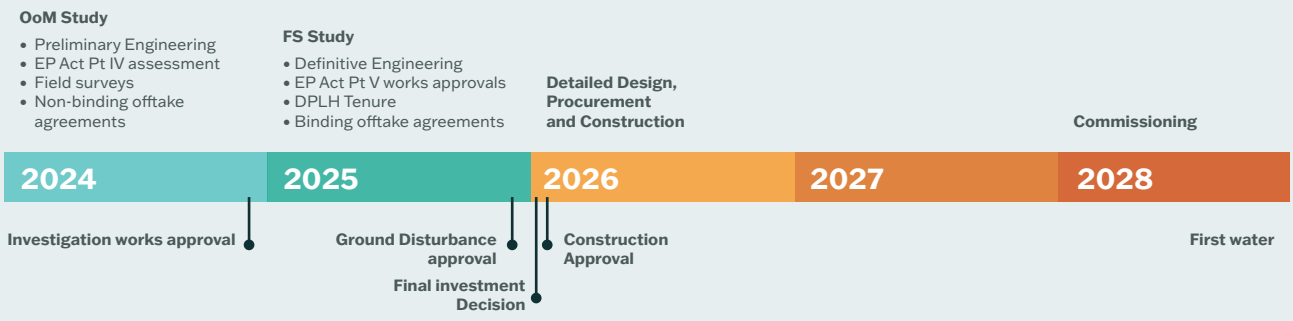
Shared risk capital We co-invest with clients in the development of our water projects.

Ethical We will only develop projects where we have the consent of First Nations stakeholders. We engage often and early to ensure our projects avoid or minimise impacts to Country.

Engagement, equity, partnership We believe that First Nations peoples should actively participate in the opportunities created by our projects on their Country. We offer real equity and partnership for generational wealth creation for First Nation peoples, from economic activity on their land.

Connected for sustainability We are connected across industry to match water demands to sustainable supplies, leading practice operators, funding partners and renewable energy providers to ensure truly sustainable solutions

Ngarluma Water Desalination Project:
Approximate development timeline



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i.e. water infrastructure developers

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