

WATER AND SEWER PROGRAM OF WORKS

Year in review 2023-2024



KEMPSEY
Shire Council

TRANSFORMING OUR WATER AND WASTEWATER NETWORK



Kempsey Shire Council is committed to providing our communities with safe and reliable drinking water, along with a sewerage system that protects the health of customers and minimises impacts on the environment.

We are working collaboratively with regulators on a program of works to upgrade water and sewage infrastructure to better serve our communities. These once in a generation works will make the area a better place to live, work and visit by improving water and sewage services across the region.

Why now?

- High risk to both human health and the environment due to aging infrastructure, some of which is more than 80 years old.
- Current water systems have been deemed inadequate by water regulators due to inability to effectively treat the water quality conditions in the supply area.
- Enhanced reliability is required to meet future growth requirements and climate variability.
- Need a more robust and modern approach to water treatment and sewerage management to mitigate public health risks.

Benefits for Kempsey's community



Providing reliable and equitable access to water and wastewater services



Incorporating latest technology and energy efficient solutions



Improving environmental outcomes and public health risks



Enhancing amenity and liveability



Promoting economic development and growth in regional areas








Providing local jobs during construction and ongoing operations

Water and sewer program of works

The \$270 million program of works is proudly funded by the NSW Government in association with Kempsey Shire Council.

Five key projects

Central Kempsey Wastewater Treatment Plant	Stuarts Point Sewerage Scheme	Steuart McIntyre Dam (SMD) Water Treatment Plant	Crescent Head Water Treatment Plant	Willawarrin Water Treatment Plant
\$135m+	\$60m	\$53m	\$12m	\$11m
<ul style="list-style-type: none"> Human and environmental health (PRP) Ageing infrastructure - 80 years old 	<ul style="list-style-type: none"> Human and environmental health Mitigate contamination 	<ul style="list-style-type: none"> Water quality - health and algal Water security - drought resilience 	<ul style="list-style-type: none"> Water quality Water security 	<ul style="list-style-type: none"> Water quality - health, metals Water security - water carting
				

Water and sewer program of works map





Central Kempsey

Project value
\$135m+

Completion
Late 2032

Wins

- ✓ Received grant fund for design and planning (\$1.95m).
- ✓ Re-invigorated project.
- ✓ Procurement of survey works complete.
- ✓ Procurement of geotech works complete.
- ✓ WWTP & network process and modelling complete.

Lookahead for FY24/25

- Complete revision of project plan.
- Complete survey of scheme.
- Complete geotech investigations.
- Complete prelim cultural heritage survey & engagement.
- Complete effluent loading & basis of design works.
- Apply for grant funding.



Stuarts Point

Project value
\$60m

Completion
Late 2026

Wins

- ✓ EIS consultancy awarded and underway.
- ✓ Significant community engagement.
- ✓ Cultural heritage works complete.
- ✓ WWTP EOI procurement completed.
- ✓ Pressure sewer design underway.
- ✓ Property audits complete.
- ✓ WWTP concept design and spec complete.

Lookahead for FY24/25

- Complete EIS.
- Engage WWTP D&C contractor.
- Complete WWTP detailed design.
- Complete pressure sewer detailed design.
- Start WWTP construction and early procurement.
- Apply for grant funding.



SMD WTP

Project value
\$53m

Completion
Late 2026

Wins

- ✓ Extra funding offer received (\$6.1m).
- ✓ EOI for National Water Grid (NWG) funding successful.
- ✓ Detailed NWG application for \$22 million submitted.
- ✓ Tender process for D&C underway.
- ✓ EOI procurement complete.
- ✓ Section 60 approval received.
- ✓ Chlorine risk review complete.

Lookahead for FY24/25

- Community engagement.
- Award tender for WTP D&C.
- Completion of detailed design.
- Early procurement of equipment.



SEWER



WATER



Crescent Head WTP

Project value
\$12m

Completion
Late 2026

Wins

- ✓ WTP REF complete.
- ✓ Borefield REF complete.
- ✓ Asbestos remediation complete.
- ✓ Resolved Crown Lands issues.
- ✓ WTP D&C Concept design and tech specification complete.
- ✓ Early works complete.

Lookahead for FY24/25

- Complete EOI.
- Receive Section 60 approval.
- Complete tender.
- Request for more funding from DCCEW.
- Engage contractor.



Willawarrin WTP

Project value
\$11m

Completion
Early 2026

Wins

- ✓ Extra funding offer received (\$1.1m).
- ✓ WTP D&C tender process completed.
- ✓ WTP D&C negotiations completed (savings of \$0.5m).
- ✓ Civil pipeline package completed (\$0.6m).
- ✓ HV transformer package completed (\$0.06m).

Lookahead for FY24/25

- Community engagement.
- Completion of detailed design underway.
- Early procurement of equipment.



Kinchela

Project value
\$0.5m

Completion
Mid 2024

Wins

- ✓ Increase water security for Kinchela and the wider Kempsey area by introducing an additional water source delivering to the water supply scheme.
- ✓ Detailed design complete.
- ✓ Tender process complete.
- ✓ Contractor engaged.
- ✓ Commissioning plan complete.
- ✓ Works underway.

Lookahead for FY24/25

- Complete commissioning.
- Update operation and maintenance documentation.

VALUE ADD

OUR EXPERIENCED TEAM AND DELIVERY STRUCTURE

Executive Leadership Group
Corporate Governance and Program Directorship.

**Program Management Team &
Project Management Office (PMO)**
Program Management Office has been set up and includes in-house
and external expertise in a range of fields to progress delivery.

Senior Project Management Leads (for each project)
Liason for Owner's Engineer Services
and administration of the engagement.

Senior Technical Support Leads
Engineering management
and client-side technical support.

Construction Management
Contract administration
and construction surveillance.





KEMPSEY SNAPSHOT



31,118
Population
(estimate)



34,148
2036 projected
population



12%
Aboriginal
population



10,155
Employed
residents



8%
Unemployment
rate



Disability
9.5%
of population need help
in their day-to-day lives



Location
430km
north of Sydney
488km
south of Brisbane



Kempsey
6th
most disadvantaged local
government area in NSW (of 130)
903
SEIFA Index of Disadvantage ranking



Regional
production
\$1.187b
gross

Proudly funded by the NSW Government
in association with Kempsey Shire Council.

