

PLANNING YOUR WATER FUTURE



WATER FOR A GROWING SCENIC RIM

We're planning for your water future.
Because we can't always count on the rain.

The plan might look different depending on where you live in
South East Queensland.

We might have differences but we are one region, and
Seqwater is planning for a reliable and sustainable water
supply for all South East Queenslanders.



SCENIC RIM WATER

There are five dams in the Scenic Rim region that form the Logan River Water Supply Scheme.

Maroon and **Moogerah dams** are mostly used for irrigation and some urban supplies.

There are plans to connect **Wyaralong Dam** to the South East Queensland Water Grid (SEQ Water Grid), but currently it is used for recreation.

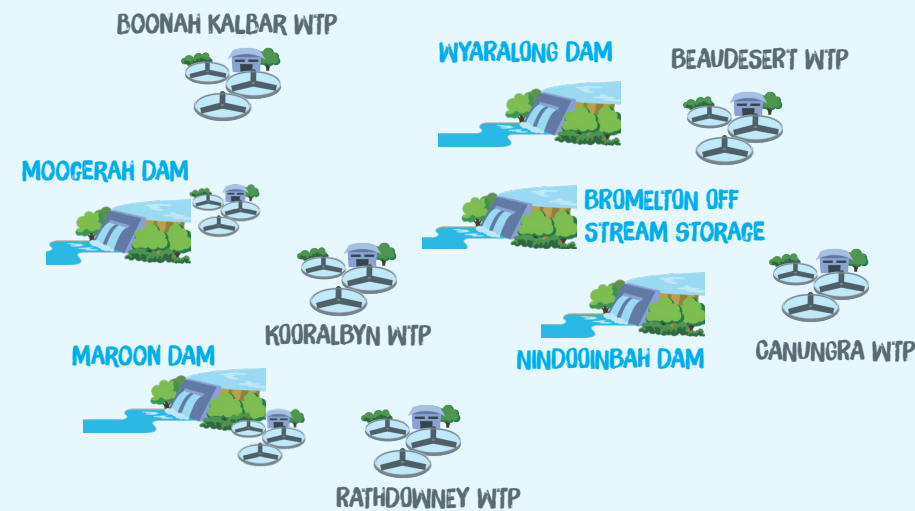
Bromelton is an off-stream storage from the Logan River, and helps improve the reliability of supply.

Nindooibah Dam was originally constructed in 1961 as an offstream storage for the Beaudesert township. It is no longer required for water storage and is retained as a recreation area.

The Scenic Rim has five **off-grid communities**, who are supplied by a water source not directly connected to the SEQ Water Grid.

Seqwater is responsible for planning for these communities, and takes into account the need to service the ongoing growth of these communities, climate change and variability and how they use water.

LOGAN RIVER WATER SUPPLY SCHEME



Beaudesert, Kooralbyn and **Rathdowney** communities are supplied with water drawn from the Logan River, supported by releases from Maroon Dam.

Boonah-Kalbar water supply is sourced from Reynolds Creek, supported by releases from Moogerah Dam.

Canungra's water supply is sourced through run-of-river flows from Canungra Creek. The water treatment plant at Canungra has also been recently upgraded, more than tripling its production capacity.

All communities, except Beaudesert, will have sufficient water supply to accommodate average annual demand under normal conditions until 2046. Tankering from the SEQ Water Grid supports the five off-grid communities when required and especially during extreme droughts.

Two large water storage reservoirs will be built next to the Beaudesert Water Treatment Plant in 2019. Beginning in 2021, a pipeline and a new water treatment plant will be built near Cedar Grove Weir to improve long-term water security in the Scenic Rim.



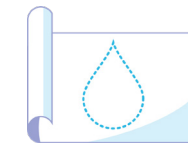
BY 2028, THE POPULATION OF SOUTH EAST QUEENSLAND IS PREDICTED TO GROW BY **MORE THAN 750,000 PEOPLE**.

AVERAGE DAILY RESIDENTIAL WATER USE IN THE SCENIC RIM IS **114L PER PERSON**.*

Front cover: aerial view of Wyaralong Dam in the Scenic Rim

*average daily residential use between 3 November 2017 and 19 October 2018

WATER IN THE FUTURE



OUR PLAN

The Water Security Program is Seqwater's plan to provide South East Queensland with drinking water over the next 30 years. This includes planning for extreme weather — both flood and drought.



POPULATION AND WATER USAGE IS GROWING

Currently South East Queensland uses around 300,000 million litres a year. By 2046, with our increasing population, the forecast medium demand is around 525,000 million litres a year. With all SEQ Water Grid assets available and operating (including the Western Corridor Recycled Water Scheme), our region's bulk water system can supply about 440,000 million litres a year.



NEW WATER SOURCES NEEDED

Our projections show the Beaudesert Water Treatment Plant would no longer be able to meet peak demand by 2021 without the planned upgrades. Seqwater are connecting Beaudesert to the SEQ Water Grid and building a new water treatment plant and associated pipelines to supply the region. New water sources may be needed beyond 2046 and we are planning for those as well.

WHAT WE'RE DOING NOW



BEAUDESERT WATER SUPPLY ZONE UPGRADE

The Beaudesert Water Supply Upgrade includes three major elements:

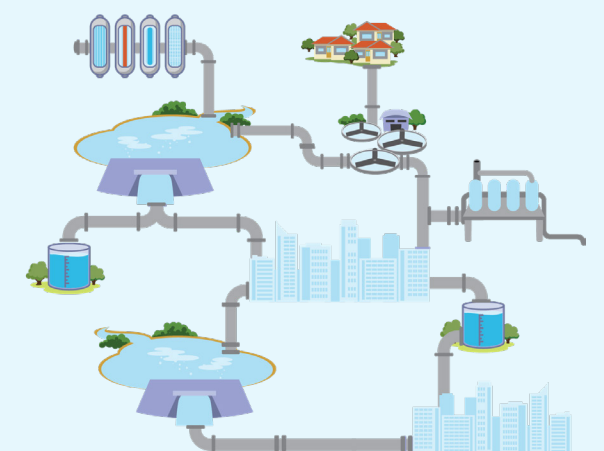
- Immediate improvements to the Beaudesert Water Treatment Plant, including the building of two new storage reservoirs.
- 24km of bulk water pipeline connecting Beaudesert to the SEQ Water Grid.
- A new Water Treatment Plant drawing water from Wyaralong Dam.

The Wyaralong Water Treatment Plant will be additional source to provide drinking water to growing communities in Beaudesert and southern Logan areas, including Flagstone and Yarrabilba.

A 24km bulk water pipeline will connect the Beaudesert Water Treatment Plant storage reservoirs to the new Wyaralong Water Treatment Plant.

An additional 3km bulk water pipeline will connect the Wyaralong Water Treatment Plant to the Flagstone development area and the SEQ Water Grid pipeline network.

Connecting Beaudesert will improve long term water security for the Scenic Rim and make it easier to move water into the region when needed.



PLANNING YOUR WATER FUTURE



WATER WISE TIPS

Water is a precious resource and South East Queenslanders are encouraged to be water efficient all the time.

Water outside before 10am and after 4pm

If you water in the heat of the day, you can lose up to 50% of the water to evaporation.

Check for leaks

You can lose thousands of litres of water a day without even knowing it due to underground leaks. Use your water meter to check for leaks at home and in your irrigation system.

Use a good mulch

A good mulch will help your plants retain water through the scorching summer days and reduce weeds that compete for water.

Use your pool cover

Pool covers reduce evaporation by about 90%.

Check how much water you use

Do you really know how much water you use? Use a water audit tool to calculate what appliances are your water guzzlers, where you're using a lot of water and opportunities to make savings. There is one on the Seqwater website [seqwater.com.au](https://yourseqwater.com.au)

Turn off the tap

Half filling the sink instead of leaving the tap running to wash fruit and vegetables, turning off the tap when brushing your teeth and taking shorter showers are all simple ways you can save water inside your home.



DROUGHT RESPONSE PLAN

Each off-grid community has its own drought response plan, designed to suit the particular nature of the water system.



During drought, carting from the SEQ Water Grid would be used to support Beaudesert, Boonah-Kalbar, Canungra, Kooralbyn and Rathdowney.

We'll also ask the community to voluntarily conserve water before imposing mandatory restrictions.

FOR MORE INFORMATION

More information is available at our Realities of Rain hub at <https://yourseqwater.com.au/realities-of-rain>

You can also subscribe to our email newsletter to stay up to date with news and events.

Contact us

Email: communications@seqwater.com.au

Phone: 1800 771 497