

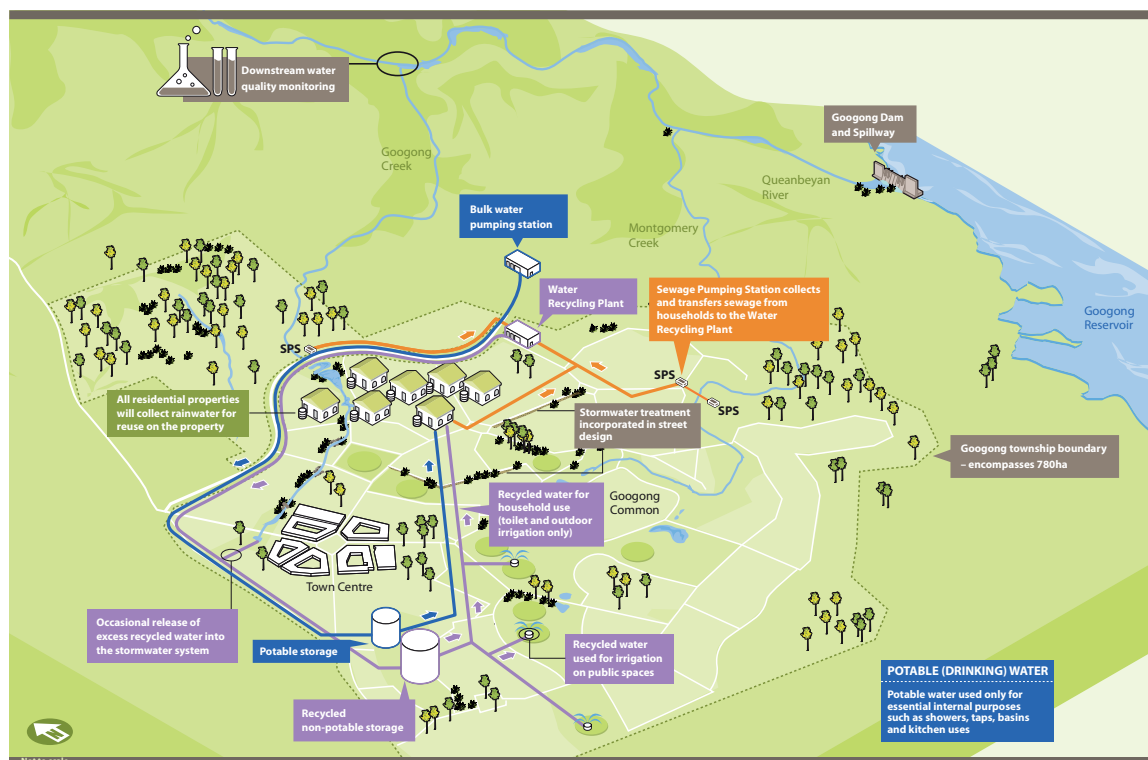
How does the Integrated Water Cycle System work?



Googong's purple pipes

Along with the normal potable (drinking) water supply and sewage network, Googong has a third, "purple", pipe to deliver high quality recycled water to the township for non-drinking purposes such as flushing toilets; watering lawns and gardens; washing cars, brickworks and windows; watering your fruit and vegetable gardens; and watering sportsfields and parks.

This "purple pipe" network, combined with rainwater tanks on every property and a well-designed stormwater system, will make Googong extremely water efficient. Its eventual 18,000 residents will use less potable (drinking) water than just 6,500 residents in an average Australian community!









Key

- Potable water mains and reticulation
- Recycled water mains and reticulation
- Sewerage
- Rainwater collection
- Stormwater system
- Monitoring

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Key

	Potable water mains and reticulation		Rainwater collection
	Recycled water mains and reticulation		Stormwater system
	Sewerage		Monitoring

Potable (drinking) water system

- Sourced from Icon Water
- Used for drinking, bathing and kitchen uses

Rainwater collection

- Available for use in washing machines
- Most residential properties collect rainwater in tanks
- Generally not recommended for drinking where there is a public supply available

Recycled (non-drinking) water system

- System includes Water Recycling Plant and purple pipes
- Recycled water transferred via pipes to Googong houses, schools and businesses
- Recycled water treated to a high standard. There is a low risk of any negative health effects from approved uses. Recycled water treated to standard suitable for non-potable uses and occasional discharge to the environment (when demand is exceeded)
- To be used for flushing toilets; watering lawns and gardens; washing cars, brickworks and windows; watering fruit and vegetable gardens (with a recommendation to wash with potable water prior to eating); watering sportsfields and parks; as well as for fighting fires.

Stormwater system

- Stormwater treated through urban design practices, including stormwater treatment in streetscapes and watercourses
- Urban run-off treated before it enters local creek and rivers to reduce sediments, chemicals and nutrients

Monitoring

- Regular monitoring to ensure any discharge does not harm nearby rivers, creeks and groundwater

Wastewater (sewage) system

- Pipes and pumping stations transfer wastewater (sewage) from Googong township to Water Recycling Plant