

<b>Map ID</b>	<b>Asset Cost</b>	<b>Asset Description</b>	<b>Proposed Development Year</b>
W8	Nil	Water Reservoir within Bowen South not required	N/A

**Asset Justification and Timing**

*A detailed water demand model for the Town of Bowen, based on Council's Desired Standards of Service (DSS), was completed in February 2020, which identified that Bowen's potable water demand no longer triggers the construction of the Water Reservoir W8 during the period of the Local Government Infrastructure Plan (LGIP), being 2018 to 2031.*

*Since the LGIP's previous demand model in May 2014, Council secured funding to upgrade the water reticulation pipelines throughout Bowen, delivered between 2015 and 2020, and transferred most of Bowen's considerable parklands' water demand to high quality recycled water network, significantly reducing demand on the potable water network.*

*Since the LGIP's previous Economic and Population Study (EPS), in November 2013, Council has undertaken an updated EPS in 2018, which identifies a reduction in projected population growth in Bowen by 260 people at 2031 (adopted medium growth scenarios) and, therefore, a reduction in demand.*

*Council has further improvements planned for Bowen's water network, subject to funding, including extending the recycled water network, Heronvale Reservoir augmentations (increase capacity and pressure), additional smart water meters and community demand management program, which will reduce network demands, reduce network losses and increase capacity over the coming decades.*

*The improvements that have been implemented are included in the 2020 water demand model, which identifies that the Water Reservoir W8 is not required during the period of the LGIP to meet Council's DSS.*

*Given the improvements to the water network since the previous demand model in 2014 and the asset cost of \$14,684,350, the Water Reservoir W8 can no longer be considered the least cost option to meet Council's DSS and must be removed from the LGIP Schedule of Works at the earliest possible opportunity.*

**Cost**

*The Water Reservoir W8 is not required in the period of the LGIP, consequently this item and establishment cost will be removed from the LGIP Schedule of Works.*