

**TENTERFIELD WATER SUPPLY – DROUGHT AUGMENTATION WORKS  
STATUS REPORT – 28 October 2019**

<b>No</b>	<b>Task</b>	<b>Comments</b>
1	Emergency Drought Funding Application to Minister	<p>Following an application for funding to the Minister for Water, an amount of \$373,000 has been received, which is funding for the first stage of the project. Funding for stage 2 to a maximum total of \$4,000,000 has been approved for a program of works to improve the water security for Tenterfield. The works include sourcing groundwater and appropriate water treatment; planning and infrastructure works. The new funding brings the total government commitment to \$4,373,000 (exc. GST).</p> <p>Council will be preparing a Project Plan/Business Case to aid council with the rapid delivery of the project and the Department of Planning Industry &amp; Environment with assisting Council with the provision of funding.</p>
2	Water Search	<p>The objective is to establish more than one source of groundwater to ensure long term water security for the Town of Tenterfield. The water search has been more extensive than initially envisioned. Consultants Geo9 P/L are continuing virtual drilling exploration and have identified test borehole locations. This work will continue until such time as secure underground water sources have been identified in two or more separate locations. Potential test bore sites have been identified on the Tenterfield Common and East Street near Billirimba Rd. Further sites are to be investigated in locations including Larreseys Lane, Landers Lane and near Millbrook Park. A survey in the vicinity of Shirley Park bore is being undertaken to ascertain if this aged bore can be better located.</p>
3	Drilling and Test Bore Establishment	<p>To date, three bores with good prospects have been identified in the area to the west of the Tenterfield Transport Museum. It is expected that one of these bore will deliver at approximately 10L/s, which will support the needs of Tenterfield in the short term. Test bores located on the Tenterfield Common are currently being investigated. Applications are being progressively submitted to the Minister for Test Bore Work and the Water Access Licence applications are being submitted to the Natural Resources Access Regulator following the test bore locations being identified and suitability validated on site. The land ownership details for the test borehole sites are being progressively provided to NRAR to enable them to expedite the application process. NRAR have been very helpful in assisting council to attain the necessary approvals.</p>
4	Infrastructure Design	<p><u>Bores</u> – Consultant Geo 9 P/L and subcontract Hydro-geologist Zoic Environmental P/L.  <u>Pumps</u> – Procurement yet to be determined.  <u>Electricals/SCADA etc.</u> – Procurement yet to be determined.  <u>Civils</u> –Tenterfield Shire Council (depending on resource availability)  <u>Bore water treatment</u> – MJM Environmental have been engaged to prepare the treatment options for the new bore field and submitted their draft report for review. Tenders for water treatment will be invited in the near future.</p>

5	Drilling and Production Bore Establishment	<u>Bores</u> – Water Resources Drilling P/L <u>Rising Main Design &amp; Construct</u> – Tenterfield Shire Council <u>Electrical &amp; SCADA</u> etc. – Procurement yet to be determined.
6	Dam Water Management	<u>Destratification / Aeration System</u> - Acqua & Co aerators installed with 3 phase power to dam eastern wall completed. Additional subsurface aeration is currently being installed by Council to aid mixing of the water in the dam. <u>Remote water depth measurement</u> – Procurement yet to be determined.
7	Project Management	Risk management and insurances being managed by TSC. Technical project management by Local Government Appointments consultants supported by TSC.
8	Water Quality Monitoring	Managed by TSC with an overview by Department of Health NSW for compliance. Technical design inputs from MJM Environmental P/L.