



WATER UPDATE

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Welcome

Welcome to the September issue of the Bonacci Water newsletter. The Bonacci Water team has been working to deliver several major projects in Victoria, New South Wales and Queensland. In this edition, we highlight some of our key projects and introduce our newest team member, Mark Colegate.

We trust you enjoy this update and look forward to your feedback. For updates on our projects, please visit www.bonacciwater.com

Latest news

United Nations – Guideline on eco-efficient approach to water infrastructure development in developing countries

The Water Security Section of the Environment and Development Division of UNESCAP commissioned Dr. Peter Coombes to provide a discussion on eco-efficient approaches to water infrastructure, based on Australian experiences.

This discussion reviews existing guidelines and practices for Water Sensitive Urban Design and Integrated Water Cycle Management in Australia to produce generic guidelines for policy, strategy and practical implementation of eco-efficient water infrastructure.

In August, Peter spent 10 days in Bangkok and Seoul presenting his guidelines to UNESCAP representatives.



Several major projects

Evaluation and Benchmark Study on the Impacts of Demand Management Measures (including Water Restrictions) Implemented in South East Queensland

Bonacci Water, in association with Synergies Economic Consulting, was recently awarded a project to study, evaluate and benchmark the impacts of demand management measures in Southeast Queensland (SEQ). The QWC has been tasked with setting demand management arrangements – particularly restrictions – across SEQ, in response to the recent Millennium Drought. QWC has prepared its plan to manage the supply-demand balance in the region and, more specifically, to 'exit' from the current restrictions, as water availability increases.

QWC has commissioned the Bonacci Water-Synergies Economic Consulting consortium to provide an external review of the restriction regime as applied, and the proposed transition arrangements for restrictions towards more long-term, demand management measures.

This work includes analysis of the performance of various restriction policies and water saving strategies, and provide up-to-date information on the current water use profile of households and businesses across the region.

Importantly, the project will research and comment upon the effectiveness of restrictions and the role of restrictions in the future, as part of managing the supply-demand balance, in accordance with a defined level of service.

This project includes the use of mini "smart meters" to measure the patterns of water demands in households and businesses which employ a range of water saving strategies. This data was used to calibrate PURRS models which were used within economic frameworks to simulate responses to water restrictions and various economic incentives.

CENTROC, NSW

Bonacci Water, in association with MWH, was recently awarded the contract to complete a feasibility study into water supply security (regional drought proofing) for the Central NSW Regional Organisation of Councils (CENTROC).

The feasibility study into regional drought proofing was brought about by the need to ensure the long-term sustainability of communities and businesses in the region, by improving the security of water supplies to 21 NSW towns. By avoiding the town by town approach to water supply security, this regionally focused study has the potential to identify options which may benefit a number of towns, or the entire region, and provide opportunities for cooperation on a regional scale. This approach also improves water reliability and water security which would not otherwise be possible with discrete localised approaches. The study will examine the question of urban water security in the context of water use in the total system which includes major irrigation districts.

For more information about Bonacci Water's projects, please contact:

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TRIVIA

**A small drip from a tap can waste as much as 75 litres of water a day.
Now that's a lot of water!!!**

Bonacci Water growth...



Mark Colegate

Bonacci Water is pleased to introduce our newest team member, Mark Colegate. Mark is an Environmental Engineer and has three years experience in process engineering, stormwater management, earthworks for land development, and hydrological / hydraulic modelling. Mark's recent work involves sophisticated modelling and complex hydraulic analyses of existing and proposed water, sewer reticulation and stormwater drainage networks and waterway systems.

Mark is currently working on the analysis of water cycle management strategies and policy development in the Werribee Employment Precinct.

For more information about our business and projects, please contact us on 03 9418 4000 or visit our website.

www.bonacciwater.com