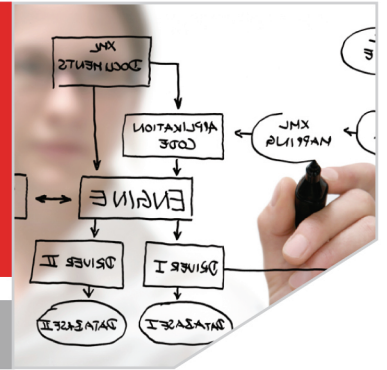


CARM – Water when and where it matters

Water Engineering Panel – Engineers Australia Sydney Division



Date:	Thursday, 6 th March 2014
Time:	Refreshments from 5:30 pm for 6:00pm
Venue:	Engineers Australia Auditorium, Ground Floor, 8 Thomas St, Chatswood NSW 2067
RSVP:	https://engineersaustralia.wufoo.com/forms/m1077bfq0kdpo8v/
Contact	Chris Thomas Chris.Thomas@worleyparsons.com

NSW State Water's Computer Aided River Management (CARM) was recently awarded Engineers Australia's National Environmental Engineering Excellence Award.

The CARM project is set to elevate the Murrumbidgee as one of the world's most efficient and best managed working river systems while achieving water savings and improving service to all water users including the environment.

State Water, with funding partner Water for Rivers, developed the \$65 million program with a whole-of-valley approach including:

- Development of an integrated, hydrodynamic model to manage efficient delivery of water within the river valley.
- Improvements and upgrades to infrastructure
- Improved SCADA and telemetry
- Installation of around 600 new metering systems
- Improved management of en-route storages
- Alternative delivery routes to some river reaches

The project, the first of its kind in Australia, will recover water savings of which 33GL will be returned to the Snowy/Murray systems and the remainder used to improve reliability in the Murrumbidgee valley. In addition, the system will reduce excess releases from the dams by up to 200GL on average. To date, the CARM project has been recognised through the following awards:

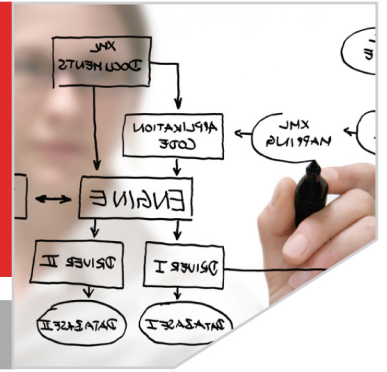
- 2013 Sydney division Engineering Excellence awards
 - Winner – The Bradfield Award
 - Winner - Engineering for Regional Communities
 - Highly Commended - Software and Embedded Systems
- 2013 Australian Engineering Excellence awards
 - Winner Environmental Engineering Excellence
- 2013 Australian Water Association Infrastructure and Innovation Award
- 2013 NSW AWA Infrastructure and Innovation Award



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The Water Engineering Panel is pleased to announce a seminar on this engaging topic. The seminar will be presented by two leading industry experts.

Brett Tucker was appointed CEO of State Water Corporation (State Water) in August 2011. State Water manages assets to the value of \$3.5 billion, including 20 major water storages and over 280 weirs. The corporation provides bulk water management and delivery services to over 6500 customers throughout NSW, including water for agriculture, industry and critical human needs.

Prior to his appointment Brett was Managing-Director of Murrumbidgee Irrigation Ltd since December 2005, providing water supply, drainage and environmental services to over 3200 customer/shareholders in the Murrumbidgee Irrigation Area.

Brett has worked within the irrigation industry in various capacities for the last 20 years including 5 years managing his own consulting business, advising industry and government in the areas of research, business development and policy formulation.

Brett holds an Honours Degree in Rural Science from the University of New England and a Graduate Certificate in Accounting from Charles Sturt University. Brett is a director of the Peter Cullen Trust, a member of the Institute of Company Directors and Churchill Fellow.

Dan Berry is Manager Basin Planning, State Water Corporation and is responsible for the development of projects which increase the Sustainable Diversion Limits in the NSW portion of the Murray Darling Basin.

Dan's background is in state-wide water operations, including the development of annual operating plans, flood operations, and the management of numerous decision support systems, most recently the Computer Aided River Management (CARM) system.

Dan's career theme has been as a practitioner in integrating all the aspects of water reform, particularly through directing the reforms to achieve environmental and productivity outcomes. Dan has a proven record in identifying and implementing changes that increase efficiency in water delivery, and increase the value of these services to both customers and the environment.

Dan has over 30 years of experience with State Water and its predecessors.

Dan has a degree in civil engineering and has completed a substantial portion of an MBA.

Please join us for what we anticipate will be an informative and lively discussion on an award winning topic on water mitigation and savings. Note that attendance at the Seminar is free.

Continuing Professional Development (CPD): Eligible for 1.5 hours CPD.



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