

## Seminar Series

### Alternative funding models for stormwater management

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<b>Venue:</b>	City of Charles Sturt, 72 Woodville Road, Woodville
<b>Date:</b>	Friday 10 November 2017
<b>Registration:</b>	9:00am
<b>Time:</b>	9:30am – 4:00pm
<b>Cost:</b>	\$50.00 + GST – <a href="#">Water Sensitive SA partners</a> and Stormwater SA members \$80.00 + GST – Other

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## Overview

Our cities are changing to a denser urban form, so how can government and the urban water industry address the challenge to safely and sustainably manage ever-increasing stormwater volumes, peak flows and deteriorating water quality? A reliance on grant programs to fund capital works projects does not adequately address the legacy issues facing stormwater managers, notwithstanding the emerging challenges presented by the rapid change in imperviousness of our suburbs.

Communities need integrated solutions for stormwater management that deliver multiple benefits, underpinned by a sustainable funding source to deliver the associated capital works and asset management programs. This forum provides an overview of a range of alternative funding models for stormwater management from user schemes to incentives currently applied internationally and interstate. The needs within our state and funding models suited to the South Australian context will be explored during the afternoon workshop.

## Program

Time	Topic	Who
9:00am	<i>Registration</i>	
9:30am	Welcome Challenges facing stormwater managers in Local Government	Mayor Angela Evans
9:45 am	Overview of a range of funding models for stormwater management	Steven Gatti
10:05am	Sustainable funding mechanisms for stormwater assets – case studies from the US	Andrew Reese
10:40am	<i>Morning tea</i>	
11:10am	Melbourne Water – stormwater offset scheme	Birgit Jordan
11:40am	City of Onkaparinga – stormwater water quality contribution scheme	Paul Kirkham
12:05am	City of Kingston – stormwater water quality contribution scheme	Dr Jeremy Cheesman
12:35am	Panel discussion	
1:05pm	<i>Lunch</i>	
1:40pm	Workshop: What funding models could suit the SA context?	
4:00pm	<i>Close</i>	



## Presenters biographies



### **Mayor Angela Evans, City of Charles Sturt, Board member LGA SA**

Mayor Angela Evans was elected as Mayor of the City of Charles Sturt in the November 2014 Local Government Elections. She was previously the Deputy Mayor of Charles Sturt in 2010-11 and 2013-14, as well as Ward Councillor for the Woodville West Ward in Charles Sturt from 2006-14.

Angela has experience in the business sector as a small business operator and has extensive experience working within the Community Service Sector. She is also a registered Practitioner Mediator with LEADR.

Angela's key areas of interest include developing effective governance frameworks for Council and implementing long-term financial stability.



### **Steven Gatti, Manager Urban Water, Economics and Water Security Department of Environment, Water and Natural Resources**

Steven has worked in mining, civil and resource management for 30 years, in both the private and public sectors. Over the last 17 years Steven has worked within state government developing urban and catchment water management solutions, and implementing on ground works. In 2003 he worked alongside the CSIRO to develop a market based auction approach to funding on ground works to deliver water quality and biodiversity benefits, and in 2004 was part of a national panel that provided advice to the federal government in relation to funding the development of market based instruments to support natural resources management. In recent months Steven has bravely made the transition to policy development. Amongst other things, Steven and his team are looking into alternative funding and financing options for stormwater management, and developing an integrated water management plan for Adelaide.



### **Andrew Reese, Vice President of AMEC Earth & Environment Limited, USA**

Andy has over 35 years' experience in a wide variety of stormwater management, water resources, hydraulic and hydrologic engineering research and management roles. He is a registered professional engineer and LEED certified with an engineering degree from Cornell University and also degrees in business administration (Boston) and hydraulic engineering (Colorado State).

Andy has worked in all 50 states of the United States in a wide variety of municipal and government stormwater management roles – from planning and program development through design, funding and regulatory compliance. He is a recognised international leader in stormwater management with current emphasis on stormwater funding and green infrastructure. With over 75 articles, criteria manuals and refereed papers, he is a noted writer and also a popular public speaker having given over 20 key note addresses including the first STORMCON and the first WEFTEC Stormwater Congress. Andy is the co-author of the best-selling textbook Municipal Stormwater Management and has performed research for the Corps of Engineers in hydrology, hydraulics, and taught at Vanderbilt University, as well as numerous short courses and lectures.



### **Birgit Jordan, Senior Stormwater Quality Technical Advisor, Stormwater Quality Planning, Melbourne Water**

Birgit is a Water Management Engineer and Senior Stormwater Quality Technical Advisor in Melbourne Water's Catchment & Water Quality Planning team with 21 years of experience in the private and public water sector and five years in publishing in Australia and Germany. During this time Birgit worked across the fields of waterway, stormwater, sewage and drinking water management in design, construction, capacity building and strategic and catchment planning.

Besides serving environmental protection and the interests of the community, Birgit is passionate about stormwater industry leadership and advancing knowledge and technical capabilities.

### **Paul Kirkham, Team Leader Infrastructure Asset Management, City of Onkaparinga**

Paul is the Team Leader of Infrastructure Asset Management that encompasses the Water Resource function for the City of Onkaparinga. With 30 plus years of experience in both the Local Government sector and as a consultant in asset management in five states, Paul has had exposure to many water management models.

With a focus on the asset management aspects including the sustainability and practicality of all asset classes, Paul's team, which included Andrew Thomas (now retired), developed a process for addressing the issue of funding water quality installation and maintenance for the City of Onkaparinga.



### **Dr Jeremy Cheesman, Director, Marsden Jacob Associates**

Jeremy is a Director at Marsden Jacob Associates, Australia's leading boutique natural resource economics advisory practice. He is an experienced environmental and resource economist, specialising in water and the environment. He is a senior advisor to the Commonwealth and State Governments and Councils on market-based approaches to environmental management. He has contributed to the design and implementation of market-based stormwater funding mechanisms across Australia, including the Kingston stormwater in-lieu mechanism, stormwater rainwater tank auctions, stormwater offsets and developer charge mechanisms.