




## CONFERENCE PROGRAM

### DAY ONE: WEDNESDAY 17 AUGUST 2022

7.00am	YWP Networking Breakfast <b>Registration Required</b> Venue: Sails by Rydges			Proudly sponsored by 
8.30am	Registration opens			
9.00am	<b>SESSION 1: OPENING DAY ONE</b> Welcome to Country: Uncle Bill, Birpai Local Aboriginal Land Council NSW President Welcome: Nanda Altavilla, NSW Branch, Australian Water Association Local Welcome: Jeffery Sharp, Director Community Utilities at Port Macquarie-Hastings Council Sponsor Address: Beca Hunter H2O			
9.30am	Official Welcome: Jim Bentley, CEO of the NSW Water Sector, NSW Department of Planning, Industry and Environment			
9.50am	<b>Keynote Speaker</b> Anika Molesworth – Agroecology Scientist and Farmer			
10.30am-11.00am Morning Tea				
ROOM	PLENARY	RENAISSANCE ROOM	RUSHCUTTERS ROOM	
THEME	SESSION 2: OPERATING AND PLANNING THROUGH SHOCKS AND DISRUPTIONS	SESSION 3: REGIONAL WATER STRATEGIES / MANAGEMENT / WATER REFORM	SESSION 4: WATER QUALITY – COMMUNITY SAFETY IN OUR HANDS	
11.00am	THE 20'S THE DECADE OF WATER – HOW DO WE SHAPE A MORE SUSTAINABLE FUTURE Peter Dennis, Beca Hunter H2O	CENTRAL COAST WATER: MAINTAINING SECURITY AND LOOKING TO THE FUTURE Sam MacKenzie, GHD, Rex Haydon & Satpal Singh, Central Coast Council	LESSONS LEARNT FROM EXTREME WATER QUALITY EVENTS OF SUMMER 19/20 Michael Carter, Hunter H2O	
11.20am	FROM DROUGHT RESPONSE TO WATER RESILIENCE: A JOURNEY OF MINDSET SHIFT Nirmal Joy & Rachael Abberton, MidCoast Council	EMPOWERING PEOPLE TO ACCESS WATER: A BACKBONE PLATFORM FOR MANAGING WATER IN THE MURRAY DARLING BASIN Bill Robinson, Arup & Laurent Lambert	VISUALISING WATER QUALITY RISKS Lucy Parsons, Atom Consulting	
11.40am	PILOT PLANT TESTING IN RESPONSE TO DROUGHT BREAKING FLOOD EVENTS AT WARRAGAMBA DAM Jack Budgen & Coralie Gabus, Sydney Water	DROUGHT FLOOD RISK INDEX IN WATER MANAGEMENT Mahmud Haque, Water NSW	TURNING REAL TIME DATA INTO ACTIONABLE NETWORK RESILIENCE AND WATER QUALITY SECURITY IMPROVEMENTS Rhett Tubbs, MIDCOAST Council	
12.00pm	UNPRECEDENTED ALGAL SHOCKS: RESILIENT PROJECT DELIVERY THROUGH A MAJOR PIVOT IN CLARIFICATION DESIGN Michael Carter, HunterH2O & Amanda Cashion, Central Coast Council	WATER QUALITY HAZARD REPORTING Michael Easton, Sydney Water		
12.20pm-1.20pm Lunch				
ROOM	PLENARY	RENAISSANCE ROOM	RUSHCUTTERS ROOM	
THEME	SESSION 5: OPERATING AND PLANNING THROUGH SHOCKS AND DISRUPTIONS	SESSION 6: REGIONAL ENGAGEMENT & WATER SOLUTIONS	SESSION 7: WATER SECURITY	
1.20pm	AFFORDING DISRUPTION: ADDING PROCESS FLEXIBILITY WITHOUT OVERSPENDING Patrick Schnelle, Arup & Chris Thodey, Western Region Delivery Team	WATER LIVABILITY NEXUS: HUNTER WATER AND GHD FACILITATE COLLABORATIVE APPROACH TO DEVELOPMENT PLANNING Nathan Malcolm, GHD	PURIFIED RECYCLED WATER FOR INTEGRATED WATER AND WASTEWATER SERVICING (AND NOT JUST FOR DROUGHT) William Wu, Aurecon	

1.40pm	MAINTAINING WATER & SEWER SERVICES DURING A MAJOR FLOOD Mitchell Stace & Chenxi Zeng, MidCoast Council	UNDERSTANDING COMPLIANCE PERFORMANCE OF WATER USERS IN THE MURRAY DARLING BASIN NSW David Thomas, Natural Resources Access Regulator	POSITIVE FUTURES AS DECISION-SUPPORT TOOLS FOR WATER REUSE ADOPTION Varsha Sivagurunathan, University of New South Wales
2.00pm	TOWN WATER RISK REDUCTION PROGRAM Erin Cini, Department of Planning and Environment	INNOVATIVE TACTICS TO INCREASE WATER LITERACY AND LOVE OF TAP WATER AMONGST NSW REGIONAL HOUSEHOLDERS OF THE FUTURE Chris Philpot, The Water Conservancy	MAPPING NSW’S WASTEWATER EMISSIONS TO 2050: WHERE DOES IT COME FROM, AND WHERE ARE WE GOING? Rigo Manahan & Steve Adamthwaite, Arup
2.20pm	OPERATING THROUGH RECENT CHALLENGES – LESSONS LEARNT FOR INCREASING RESILIENCE AND FLEXIBILITY Brie Jowett & Mitch Alward, Tweed Shire Council	NSW REGIONAL WATER INDUSTRY WORKFORCE STUDY Grant Leslie, Balmoral Group	IDENTIFYING CRITICAL WEIRS FOR TOWN WATER SUPPLY SECURITY ALONG BARWON DARLING RIVER USING SOURCE MODEL Hemantha Perera, WaterNSW
2.40pm-3.10pm Afternoon Tea			
ROOM	PLENARY	RENAISSANCE ROOM	
THEME	SESSION 8: REGIONAL ENGAGEMENT	SESSION 9: WATER QUALITY – COMMUNITY SAFETY IN OUR HANDS	
3.10pm	THE GREAT REGIONAL DEBATE: SUCCESSES VS FAILURES Facilitator: Dr Anika Molesworth For:	SOURCE CONTROL CASE STUDY, SUCCESS THROUGH UNDERSTANDING AN ASSETS PERFORMANCE Ben Dunn, Aurecon	
3.30pm	Ivan Reolon, Abergeldie Complex Infrastructure Rachael Abberton, MidCoast Council	DEVELOPMENT OF A CHLORINE DOSING KIOSK Michael Easton, Sydney Water	
3.50pm	Grant Leslie, Balmoral Group Against:	PRODUCING BESPOKE CALIBRANTS FOR ACCURATE AND COMPARABLE QPCR RESULTS Kate Griffiths, National Measurement Institute	
4.10pm	Murray Thompson, Murray Thompson Water Services Carmel Krogh, Consultant and Immediate Past President, Australian Water Association Steve Adamthwaite, Arup	FATE OF DECOMPOSING FISH AFTER A FISH KILL IN A RESERVOIR IMPLICATIONS TO WATER QUALITY AND CLEANUP Joe Pera, Water NSW	
4.30pm	Wrap up Day 1 Sponsor Address: Eire		
5.00pm	Conference concludes		
6.30pm-8.30pm Networking Function <b>Registration required</b> Venue: Sails Port Macquarie			
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DAY TWO: THURSDAY 18 AUGUST 2022		
8.30am	Registration opens	
9.00am	<b>SESSION 10: OPENING DAY TWO</b> Day Two Welcome: Corinne Cheeseman, Australian Water Association	
9.15am	<b>Keynote Speaker</b> Dr Paul Scully-Power - Australia's First Astronaut	
9.40am	PANEL: THE FUTURE OF AEROSPACE WATER ANALYSIS IN MANAGING SHOCKS AND DISRUPTIONS Facilitator: Shoshana Fogelman, Sydney Water Panellists: Dr Paul Scully-Power Danielle Baker, Department of Planning, Industry and Environment Brie Jowett, Tweed Shire Council Corinne Cheeseman, Australian Water Association	
10.30am-11.00am Morning Tea		
ROOM	PLENARY	RENAISSANCE ROOM
THEME	SESSION 11: WATER REUSE / CIRCULAR ECONOMY	SESSION 12: INNOVATION & COLLABORATION
11.00am	COMMUNITY JOURNEYS ON PURIFIED RECYCLED WATER: ORANGE COUNTY CALIFORNIA, AND HUNTER WATER NEWCASTLE Danielle Francis, WSAA & Clare Hogue, Hunter Water	HARNESSING INNOVATION AND COLLABORATION TO DRIVE WATER SECURITY, ENVIRONMENTAL SUSTAINABILITY AND ASSET LONGEVITY Shoshana Fogelman, Sydney Water

11.20am	FLUSHING ENERGY DOWN THE DRAIN: A FASTER PIPELINE TO A MORE CIRCULAR ECONOMY – BUT AT WHAT RISK AND COST? Caitlyn White, AECOM	CRITICAL CONTROL POINTS – HOW WELL DO YOU KNOW YOURS? Annette Davison, D2K Information, Risk Edge and Bathurst Regional Council
11.40am	CIRCULAR ECONOMY TRANSITIONS IN THE WATER INDUSTRY Pierre Mukheibir, Institute for Sustainable Futures, University of Technology Sydney & Danielle Francis, WSA	PLANNING A TREATMENT PLANT UPGRADE - HOW HARD CAN IT BE? Damon Emerson, Hunter H2O & Rachael Abberton, MidCoast Council
12.00pm	INTEGRATED WATER CYCLE MANAGEMENT IN AN UNCERTAIN WORLD Amir Hedjripour, RPS Group	IOT AND CLOUD COMPUTING – THE LEGO BLOCKS OF A MODERN WATER UTILITY Guenter Hauber-Davidson, WaterGroup
<b>12.20pm-1.20pm Lunch</b>		
<b>ROOM</b>	<b>PLENARY</b>	<b>RENAISSANCE ROOM</b>
<b>THEME</b>	<b>SESSION 13: WATER REUSE / CIRCULAR ECONOMY</b>	<b>SESSION 14: INNOVATION &amp; COLLABORATION</b>
1.20pm	GREEN WATER FOR GREEN GRASS: RECYCLED WATER RESPONSES TO PROTECT PUBLIC OPEN SPACE DURING DROUGHT AND BEYOND Zena Smith-White, AECOM	THE EVOLUTION OF RURAL WATER COMPLIANCE: AN OVERVIEW OF TECHNOLOGIES AND CAPABILITIES Nick Milton, Natural Resources Access Regulator
1.40pm	THE ECONOMIC DRIVERS SPINNING THE CIRCULAR ECONOMY WHEEL: HOW ECONOMIC FRAMEWORKS REVEAL CIRCULAR ECONOMY VALUE IN THE WATER INDUSTRY Rosemary Jones & Alexandra Humphrey Cifuentes, Frontier Economics	THE FRAMEWORK FOR WATER QUALITY TESTING DURING EXTREME EVENTS Andrea Gonzalez, Atom Consulting
2.00pm	A WAY TO IDENTIFY WATER RECYCLING OPPORTUNITIES USING LARGE DEMAND AND SUPPLY DATASETS Kate Smith, Aurecon	WORKING IN PARTNERSHIP WITH THE PRIVATE SECTOR TO OPTIMISE WATER QUALITY TO OUR CUSTOMERS Jack Budgen & Coralie Gabus, Sydney Water
2.20pm	NOVEL DUAL RETICULATION COMMISSIONING Renny Chivunga, Hunter Water	DEVASTATION TO OPPORTUNITY – SHOALHAVEN WATER RESPONSE TO BUSHFIRE DESTRUCTION OF FISHERMANS PARADISE SEWAGE PUMP STATION Brad Elliott, Cardno & Allan Gilkes, Shoalhaven Water
2.40pm	Conference Closing and Best Paper Award Presentation	
3.00pm	Conference Concludes	

Program correct at 08.08.22 and subject to change.

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