





8:30am-10:00am									
OPENING CEREMONY   KEYNOTE ADDRESS									
10:00am-10:45am									
MORNING TEA									
10:45am-12:15pm	STREAM 1	STREAM 2	STREAM 3	STREAM 4	STREAM 5	STREAM 6	STREAM 7	STREAM 8	STREAM 9
	<p>EXCELLENCE IN OPERATIONS AND ASSET MANAGEMENT</p> 	<p>RURAL, REMOTE &amp; REGIONAL WATER</p>	<p>ACHIEVING SUSTAINABLE &amp; THRIVING COMMUNITIES</p>	<p>ENGAGING &amp; WORKING WITH CUSTOMERS</p>	<p>PUBLIC HEALTH</p>	<p>RESILIENCE &amp; WATER SECURITY</p>	<p>ACHIEVING A CIRCULAR ECONOMY</p>	<p>DIVERSITY, INCLUSION &amp; EQUITY</p>	<p>WATER LEADERS FORUM (INVITE ONLY)</p> 
	<p>WASTEWATER NETWORK MANAGEMENT</p>	<p>TOOLS AND LEARNINGS FOR A REMOTE &amp; REGIONAL CONTEXT</p>	<p>MANAGING DISCHARGE FOR ENVIRONMENTAL &amp; COMMUNITY BENEFIT</p>	<p>UNDERSTANDING CUSTOMER VALUE &amp; WILLINGNESS TO PAY</p>	<p>WATER QUALITY RISK MANAGEMENT</p>	<p>URBAN DROUGHT RESILIENCE IN CITIES</p>	<p>NUTRIENT &amp; ENERGY RECOVERY</p>	<p>IMPLEMENTING DIVERSITY &amp; INCLUSION</p>	
10:50am-10:55am	243	342	292	83	442	458	178	296	
	<p>WASTEWATER FLOW BALANCING BY OPTIMISING PUMP BEHAVIOUR TO USE STORAGE IN NETWORK Phillip Meng Water Corporation</p>	<p>MANAGED AQUIFER RECHARGE TO SUPPORT ECOLOGICAL RESTORATION OF VEGETATION IN THE KATARAPKO FLOODPLAIN Hayley Whittington Wallbridge Gilbert Aztec</p>	<p>FISHERMANS BEND WATER SENSITIVE DRAINAGE AND FLOOD STRATEGY Phillip Joyce GHD</p>	<p>EVER FELT MISUNDERSTOOD? OUR BRAND HAS - SO WE FIXED IT Paige-Elise Galloway South East Water</p>	<p>A REVOLUTIONARY 'WATER QUALITY RISK FRAMEWORK' - ALIGNING FOUR ORGANISATIONS' RISK MATRICES AND PUBLIC HEALTH RISKS ASM Mohiuddin &amp; Coralie Gabus Sydney Water</p>	<p>DROUGHT AND GROWTH PLANNING IN WESTERN AND SOUTH WESTERN SYDNEY Stephen Keane Sydney Water Saanika Rana Aurecon</p>	<p>A FLUIDISED-BED ALGAL REACTOR FOR NUTRIENT REMOVAL AND RESOURCE RECOVERY Matthew Kube RMIT University</p>	<p>HARNESSING THE D&amp;I ADVANTAGE AT SYDNEY WATER Rosalind Reidy Sydney Water</p>	
10:55am-11:20am	79	8	98	364	294	ACCENT SPEAKER	41	396	
	<p>UPFRONT INVESTMENT IN FLOW MONITORING DEFERS FORECAST CAPITAL EXPENDITURE Jane La Nauze Stantec</p>	<p>IT'S NOT ABOUT LOOKING OVER THE FENCE; IT'S MORE ABOUT LOOKING IN THE MIRROR Dr Nicole Davis Mackay Regional Council</p>	<p>EVALUATING SMART STORMWATER STORAGE SYSTEM FLOODING, REUSE AND WATER QUALITY BENEFITS Dr Michael Di Matteo Water Technology</p>	<p>WILLINGNESS TO PAY, BUT FOR WHAT? STRATEGY, ENGAGEMENT AND TRIANGULATION Eamon Sullivan Evergreen Lab</p>	<p>A STATEWIDE REDUCTION IN WATER QUALITY RISK - TWO YEARS ON Stephen Westgate &amp; Brett Pritchard TasWater</p>	<p>THE FUTURE OF WATER SECURE CITIES: APPLYING LESSONS FROM THE MILLENNIUM DROUGHT Rachel Barratt Aither</p>	<p>HARVESTING STRUVITE FROM DIGESTER CENTRATE: BEENYUP PILOT PLANT Irina Mouilleron SUEZ Jiayao Chang Water Corporation</p>	<p>IMPLEMENTING HUNTER WATER'S DIVERSITY AND INCLUSION STRATEGY Lisa Warren Hunter Water</p>	
11:20am-11:45am	129	260	309	92	247	66	174	228	
	<p>IMPLEMENTING CONFIGURATION MANAGEMENT TO OPTIMISE LOGAN'S WASTEWATER PUMP STATIONS Michael Silke WSP</p>	<p>SAFE WATER ACCESS ON REMOTE INDIGENOUS HOMELANDS: APPLYING A SOCIO-ECOLOGICAL FRAMEWORK Dr Paul Satur Monash Water Sensitive Cities, Monash Sustainable Development Institute</p>	<p>INNOVATION AND COLLABORATION: IMPROVING URBAN WATER MANAGEMENT FOR A REEF COUNCIL Dr Lynne Powell Cairns Regional Council</p>	<p>WHAT MATTERS TO OUR CUSTOMERS BUILT OUR PLAN Matthew Bonnett &amp; Lee Waters SA Water</p>	<p>DYNAMIC CATCHMENT RISK ASSESSMENT - INNOVATIVE TOOLS FOR WATER SECURITY DECISION-MAKING Chris Shanks Tonkin and Taylor</p>	<p>DROUGHT RESPONSE OPERATIONAL PLAN FOR MELBOURNE Sarah Eggleton Melbourne Water</p>	<p>SHAFDAN WATER RESOURCE RECOVERY CENTER Dave Parry Jacobs</p>	<p>PROUDLY DIVERSE: UNITING THE VICTORIAN WATER INDUSTRY TO IMPROVE LGBTIQ+ INCLUSION THROUGH 'PRIDE IN WATER' Brendan Moore &amp; Jacquie Moon Yarra Valley Water</p>	
11:45am-12:10pm	411	397	268	28	318	20	221	209	
	<p>PERFORMANCE RISKS OF SEWAGE PRESSURE MAINS WITH MOVING HYDRAULIC GRADE LINES Michael Lowe South East Water</p>	<p>WHAT WATER TREATMENT LESSONS CAN REMOTE AUSTRALIA LEARN FROM THE MIDDLE EAST? Eric Vanweydevel Power and Water Corporation</p>	<p>MANAGING NUTRIENT EMISSIONS: LINKING ECONOMICS AND THE ENVIRONMENT Jamie Barnes Urban Utilities</p>	<p>VALUING MELBOURNE'S ENVIRONMENTAL WATER ENTITLEMENTS Cheryl Edwards Melbourne Water Dr Bethany Cooper University of South Australia</p>	<p>USING OPERATIONAL DATA TO CONTINUOUSLY ASSESS PLANT PERFORMANCE AGAINST HEALTH BASED TARGET CRITERIA Elizabeth Quarrell &amp; James Livingston SA Water</p>	<p>LESSONS LEARNT FROM THE CAPE TOWN DROUGHT CRISIS Kevin Werksman Aurecon Dr James Cullis Aurecon South Africa</p>	<p>NUTRIENT RECOVERY AND WATER TREATMENT USING FRESHWATER MACROALGAE Dr Rocky de Nys Pacific Biotechnologies</p>	<p>WOMEN'S EMPOWERMENT THROUGH WATER AND SANITATION ENTERPRISES IN CAMBODIA AND INDONESIA Melita Grant Institute for Sustainable Futures, University of Technology Sydney</p>	
12:10pm-12:15pm	279	132	94	333	298	474	455	423	
	<p>DEVELOPING AN AUSTRALIAN STANDARD FOR FLUSHABILITY Chantal Keane Urban Utilities</p>	<p>SOLAR POWERED MEMBRANE CAPACITIVE DEIONISATION (MCDI): IS IT AN ALTERNATIVE FOR REMOTE POTABLE WATER SUPPLY? Clare Bales University of New South Wales</p>	<p>CEDAR GROVE ENVIRONMENTAL CENTRE: ONE OF AUSTRALIA'S MOST SUSTAINABLE WASTEWATER TREATMENT PLANTS Mark Vaughan Logan City Council</p>	<p>A ROADMAP FOR CUSTOMER EXPERIENCE TRANSFORMATION Jane Tyzack Barwon Water</p>	<p>SUPPORTING DRINKING WATER SAFETY IN REGIONAL NEW SOUTH WALES Dr Zenah Bradford-Hartke NSW Health</p>	<p>IMPACTS ON OPEN SPACE WATER DEMAND FROM A CHANGING CLIMATE Paul Lamble Peak Water Consulting</p>	<p>REALISING THE ECONOMIC VALUE OF RENEWABLE ENERGY FROM BIOSOLIDS Lauren Randall Hunter Water</p>	<p>A HUMAN APPROACH TO DIVERSITY AND INCLUSION - THE BARWON WATER STORY Jo Murdoch Barwon Water</p>	
12:15pm-1:15pm	LUNCH								

1:15pm-3:15pm	STREAM 1	STREAM 2	STREAM 3	STREAM 4	STREAM 5	STREAM 6	STREAM 7	STREAM 8	STREAM 9
	EXCELLENCE IN OPERATIONS AND ASSET MANAGEMENT	EXCELLENCE IN OPERATIONS AND ASSET MANAGEMENT 	ACHIEVING SUSTAINABLE & THRIVING COMMUNITIES	ENGAGING & WORKING WITH CUSTOMERS	PUBLIC HEALTH	RESILIENCE & WATER SECURITY	ACHIEVING A CIRCULAR ECONOMY	STUDENT WATER PRIZE FINALIST PRESENTATIONS AWARD SPONSOR  Guidera O'Connor	DIRECTORS PROGRAM (INVITE ONLY)
	DIGITAL METERING	WATER TREATMENT	GREENING & LIVEABILITY	BUILDING BRAND THROUGH EFFECTIVE CUSTOMER ENGAGEMENT	CATCHMENT RISKS	WATER PLANNING & THE IMPORTANCE OF A CATCHMENT/BASIN FOCUS	NUTRIENT & ENERGY RECOVERY		
1:20pm-1:25pm	127	52	153	327	434	345	480	SWP01	
	PRICING FOR DIGITAL WATER METERING Mark Fitzgibbon KPMG	GOOD VIBRATIONS AT POONA DAM: CYANOBACTERIA AND ASSOCIATED TASTE AND ODOUR METABOLITE CONTROL USING ULTRASOUND Renee Hague Seqwater	CREATING A GLOBAL GREEN INFRASTRUCTURE WORKFORCE - IMPLEMENTING THE U.S. NGICP IN NEW ZEALAND James Reddish WSP	MY CUSTOMER FOCUS Jeremy Lucas Allwater	EVENT-BASED MONITORING OF CRYPTOSPORIDIUM AND GIARDIA IN PREPARATION TO MEET HEALTH-BASED TARGETS Chris Owens Sydney Water	SUNWATER REGIONAL BLUEPRINT: COLLABORATIVE AND ADAPTIVE PLANNING FOR LONG-TERM WATER SUPPLY UNDER AN UNCERTAIN FUTURE Gloria Vega Sunwater Rod Coulton Aither	BUILDING CIRCULAR ECONOMY SOLUTIONS FOR SMART CITIES Justin Frank SUEZ	HARNESSING IMMOBILISED ALGAE FOR HIGH RATE WASTEWATER TREATMENT Matthew Kube RMIT University (VIC)	
1:25pm-1:50pm		325	265	27	5	ACCENT SPEAKER		SWP02	
	ACCENT SPEAKER TO BE ANNOUNCED	HUNTER WATER'S OPERATIONAL RESPONSE TO LARGEST CYANOBACTERIAL BLOOM IN GRAHAMSTOWN DAM ON RECORD Vikas Shah Hunter Water	HOW TO COOL A CITY - JUST ADD WATER Greg Ingleton SA Water	DOING IT WITH US, NOT FOR US. A CUSTOMER-CENTRIC APPROACH TO UTILITY DECISION-MAKING Simon Taylor & Ian Jennison Urban Utilities	BALANCING RECREATIONAL ACCESS WITH DRINKING WATER PROTECTION: TOOLS TO QUANTIFY WATER QUALITY RISK Dr Brooke Swaffer SA Water	COLORADO RIVER BASIN DROUGHT PLANNING AND INTERNATIONAL, FEDERAL, STATE, AND INDIGENOUS NATIONS COLLABORATION Dr. Sharon Megdal University of Arizona Water Resources Research Center	ACCENT SPEAKER TO BE ANNOUNCED	IS THE INSTALLATION OF MINI HYDROPOWER TURBINES INTO WATER TRANSMISSION SYSTEM PIPELINES COST EFFECTIVE? Amber Smith & Anthony Cox University of Adelaide (SA)	
1:50pm-2:15pm	24	216	473	35	54	368	191	SWP03	
	DIGITAL METERS: EXPERTS BACK THE BENEFITS Ian Monks Griffith University	OPTIMISING COAGULANT DOSE RATES USING SPECTROSCOPY AND MACHINE LEARNING Dr Brendan Gladman Jacobs	CREATING SUSTAINABLE OPEN SPACES - USING COMPOST TO DELIVER LIVEABILITY, SUSTAINABILITY, RECREATION AND ECONOMIC OUTCOMES Paul Lamble Peak Water Consulting	A MODEL FOR THE DRIVERS OF TRUST FOR WATER Evelyn Rodrigues Water Services Association of Australia Richard Frost Quantum Market Research	QUANTIFYING THE RISKS SWIMMERS POSE IN A LARGE DRINKING WATER STORAGE Kathy Cinque Melbourne Water	WATER CONFLICTS AND THE CHALLENGE OF PLANNING: STORIES OF TWO LOCAL GOVERNMENTS FROM THE NEPAL HIMALAYAS Kaustuv Raj Neupane Southasia Institute of Advanced Studies	RETHINKING WASTEWATER TREATMENT FOR A CIRCULAR ECONOMY - A PARADIGM SHIFT CAUSED BY SCOPE 1 EMISSIONS Peter Hillis pH2O Consulting	LEANYER SANDERSON WASTE STABILISATION POND MICROBIOLOGY Alea Rose Charles Darwin University (NT)	
2:15pm-2:40pm	281	192	407	91	44	195	451	SWP04	
	MAKING THE CASE FOR CUSTOMERS: BUILDING A CUSTOMER LED BUSINESS CASE FOR SMART METERING Corrina Mercure & Alisa King SA Water	MEMBRANE GRAVITY FILTRATION - A LOW TOTEX RETROFIT OPTION TO ACHIEVE HBT GUIDELINES Yulia Shutova AECOM	RECYCLED WATER FOR A GREENER PARKES Julian Fyfe Parkes Shire Council	ROUGH DIAMOND: HOW LOGAN RESIDENTS SAW BEAUTY IN A WASTEWATER TREATMENT PLANT Kate Thomas Communikate Tania Keelan & Caitlin Gilbert Downer Utilities	PLANNING FOR OPTIMISED INVESTMENT IN SOUTH EAST QUEENSLAND'S DRINKING WATER SUPPLY CATCHMENTS Greg Greene Seqwater	A RESILIENCE FRAMEWORK TO INFORM LONG TERM WATER PLANNING Emma Berry Hunter Water	ASSESSING THE PROCESS OPPORTUNITIES AND IMPACTS FROM ANAEROBIC CO-DIGESTION AT URBAN UTILITIES Lavanya Susarla Urban Utilities	OPTIMISATION OF THE WATER SYSTEM AT VISOY PAPER SMITHFIELD (VP3&6) Alana Saliba The University of Sydney (NSW)	
2:40pm-3:05pm	476	484	381	193	372	6	160	SWP05	
	EMBRACING IOT & SMART METERING FOR A WATER RESILIENT BARCELONA - OUR EXPERIENCE DEPLOYING A MILLION METERS Sean Cohen SUEZ	THE NEW GOOD PRACTICE GUIDE TO DRINKING WATER SUPPLY SYSTEMS - BENEFITS AND APPLICATION Kathy Northcott Water Research Australia	WATER AND LIVEABILITY - BEYOND THE OBVIOUS Beata Sochacka Advanced Water Management Centre, University of Queensland/CRC for Water Sensitive Cities	INTEGRATING COMMUNITY VALUES AND PREFERENCES IN LONG TERM WATER PLANNING Steve McAleer Hunter Water	THE VIEW FROM UP THERE - MONITORING A SEVERE ALGAL BLOOM FROM SPACE Dr Abigail Morrow Hunter Water Craig Evans & Charyssa Lawrence The University of Newcastle	A HEALTHY COLIBAN CATCHMENT INTEGRATED CATCHMENT MANAGEMENT PLAN Barry Floyd Coliban Water	WASTE NOT, WANT NOT - DEVELOPING A NOVEL FRAMEWORK FOR WASTE TO ENERGY BY-PRODUCT RE-USE IN AUSTRALIA Emily Wisniewski Jacobs Ian Donald Yarra Valley Water	UNRAVELLING ROLES OF EMERGING ENVIRONMENTAL CONTAMINANTS IN PROMOTING THE SPREAD OF ANTIBIOTIC RESISTANCE Ji Lu The University of Queensland (QLD)	
3:05pm-3:10pm	33	201	445	234	87	357	96	SWP06	
	H2HOME - RESIDENTIAL WATER END-USE CLASSIFICATION IN LOW RESOLUTION METER READINGS Natasha Ogonowski Water Corporation Nicolas Small Optika Solutions	UTILISING CHANGE MANAGEMENT PRINCIPLES TO IMPROVE PUBLIC HEALTH, ONE WATER MAIN REPAIR AT A TIME Lisa Andersons MidCoast Council	MAKING A CASE FOR WATER IN SUPPORTING COOL AND THRIVING COMMUNITIES Lorena Ilic CRC for Water Sensitive Cities, Queensland	CITY WEST WATER: BUILDING AND MAINTAINING TRUST WITH OUR CUSTOMERS Samantha Aitchison City West Water	FIRE AND FILTRATION - ADDRESSING HEALTH BASED TARGETS AND BUSHFIRE RISKS TO MELBOURNE'S WATER SUPPLY CATCHMENTS Denise Fontana Melbourne Water	CLIMATE RISKS TO WATER SECURITY IN THE ASIA-PACIFIC: FRAMING ACTIONS BEYOND MEASUREMENT AND WISHLFUL THINKING Hemant Ojha Institute for Studies and Development Worldwide (IFSD)	THE COLAC WEB - WASTE TO PROSPERITY Matthew Stewart Barwon Water	UNRAVELLING STREAM ECOSYSTEM FUNCTIONING IN URBAN LANDSCAPES TO IMPROVE MANAGEMENT OF WATER QUALITY AND HABITAT Jen Middleton University of Western Australia (WA)	
3:15pm-4:00pm	AFTERNOON TEA								

	STREAM 1	STREAM 2	STREAM 3	STREAM 4	STREAM 5	STREAM 6	STREAM 7	STREAM 8	STREAM 9
<b>4:00pm-5:30pm</b>	WORKSHOP/PANEL 1	PANEL 2	PANEL 3	PANEL 4	PANEL 5	PANEL 6	PANEL 7	PANEL 8	WORKSHOP/PANEL 9
	TO BE ANNOUNCED	Australian Water Association presents: <b>OUTCOMES AND OPPORTUNITIES FROM AWA'S WATER UTILITY IMPROVEMENT PROGRAM</b>	Isle Utilities presents: <b>BUILDING A REGULATORY TECHNOLOGY ('REG-TECH') CAPABILITY FOR THE MURRAY DARLING BASIN</b>	AWA Water Recycling Specialist Network presents: <b>SOCIAL-POLITICAL STRATEGIES AND THE JOURNEY TOWARDS POTABLE REUSE</b>	Water & Health and Griffith University present: <b>ARE WE REALLY PROVIDING SAFE DRINKING WATER? SHIFTING THE FOCUS TO WATER QUALITY AT THE CONSUMER TAP. LESSONS FROM INTERNATIONAL BEST PRACTISE</b>	AWA Water Efficiency Specialist Network presents: <b>FROM THE MILLENNIUM TO THE 2020 DROUGHT - IS THE WATER SECTOR GOING FORWARDS IN DROUGHT RESPONSE?</b>	Jacobs presents: <b>TOWARDS A ZERO-CARBON FUTURE: THE ROLE OF WATER UTILITIES IN AUSTRALIA'S EMERGING HYDROGEN ECONOMY</b>	Water Research Australia presents: <b>ATTRACTING &amp; RETAINING TECHNICAL TALENT IN THE WATER INDUSTRY - CASE STUDIES AND SUCCESS STORIES</b>	TO BE ANNOUNCED
<b>5:30pm-6:30pm</b>	<b>HAPPY HOUR</b>								