

9:00am-10:30am CLOSING CEREMONY KEYNOTE ADDRESS								
10:30am-11:15am MORNING TEA								
11:15am-12:45pm	STREAM 1	STREAM 2	STREAM 3	STREAM 4	STREAM 5	STREAM 6	STREAM 7	STREAM 8
	EXCELLENCE IN OPERATIONS AND ASSET MANAGEMENT	EXCELLENCE IN OPERATIONS AND ASSET MANAGEMENT	EXCELLENCE IN OPERATIONS AND ASSET MANAGEMENT	ACHIEVING SUSTAINABLE AND THRIVING COMMUNITIES	PUBLIC HEALTH	DIVERSITY, INCLUSION & EQUITY	RESILIENCE & WATER SECURITY	GOVERNANCE CHALLENGES & SOLUTIONS
	LAGOON TREATMENT	WATER NETWORK MANAGEMENT	DATA ANALYTICS	TOWARDS CARBON NEUTRALITY	CONTAMINANTS OF CONCERNS	CULTURE IN DIVERSITY & INCLUSION	ADAPTIVE PLANNING & OTHER FRAMEWORKS	ORGANISATIONAL GOVERNANCE
11:20am-11:25am	394	125	402	266	291	198	312	203
	SYDNEY WATER GUIDELINES FOR ROBUST AND EFFICIENT PLANNING OF WASTEWATER TREATMENT ASSETS William Wu & Alex Robertson <i>Sydney Water</i>	OPTIMISING PEAKING FACTORS FOR PLANNING AND DESIGN OF TRUNK WATER MAINS Ken Goraya <i>Unitywater</i>	NEEDLE IN THE HAYSTACK, FINDING THE BURST THAT FLOODS Ian Hiles <i>Hunter Water</i>	ORGANIC WASTE TO ENERGY - IS IT VIABLE IN 2020? Alister Green <i>GHD</i>	THE EFFECT OF FLUSHING ON LEAD CONCENTRATIONS IN DRINKING WATER Jack Budgen & Anna Flack <i>Sydney Water</i>	TALKING KORIMULLIKO: RESEARCHING INDIGENOUS WATER VALUES IN THE HUNTER Steve McAleer <i>Hunter Water</i>	TOWARDS A RECOGNISED FRAMEWORK FOR ADDRESSING URBAN WATER SYSTEM RESILIENCE AND MEGA DROUGHT Russell Beatty <i>HARC</i>	WATERGUIDE - A FRAMEWORK FOR IMPROVING WATER RESOURCE MANAGEMENT IN THE JORDAN VALLEY Amy Syvrud <i>Aither</i>
11:25am-11:50am	175	119	270	213	302	229	307	267
	ONE LAGOON TOO MANY... A PRAGMATIC APPROACH TO OPTIMISE 30 LAGOON SEWAGE TREATMENT PLANTS Laura De Rango <i>GHD</i> Bardia Solati <i>TasWater</i>	WATER AGE MODELLING - A PATHWAY TO REALISTIC CHLORINE MODELLING Asoka Jayaratne & Chris Saliba <i>Yarra Valley Water</i> Alex Tarulli <i>GHD</i>	SA WATER'S SMART NETWORKS AND TECHNOLOGY STRATEGY IN A RAPIDLY CHANGING DIGITAL ENVIRONMENT Nicole Arbon <i>SA Water</i>	THE BEYOND ENERGY NEUTRALITY PROGRAM: HOW A WATER UTILITY SUCCESSFULLY ALIGNED WITH THE UN'S SUSTAINABLE DEVELOPMENT GOALS Dr Julian Sandino <i>Jacobs</i>	ISOLATION AND DETECTION OF FREE-LIVING AMOEBAE AND ASSOCIATED BACTERIA FROM WATER STORAGE TANKS IN WESTERN AUSTRALIA Natalia Malinowski <i>CSIRO Land and Water</i>	INDIGENOUS CONSIDERATIONS FOR WASTEWATER MANAGEMENT AND THE IMPORTANCE OF COLLABORATION - A GLOBAL PERSPECTIVE Kate Simmonds <i>Jacobs</i>	ADAPTIVE PLANNING FOR AN UNCERTAIN FUTURE Caitlin Launt & Anne-Maree Burke <i>Icon Water</i>	URGENCY IN TRANSFORMATIONAL LEADERSHIP PROGRAMS IN WATER SECTOR TBC <i>Urban Utilities</i>
11:50am-12:15pm	145	412	62	454	227	461	194	217
	AVERTING A PROBLEMATIC INSTALLATION: CFD MODELLING OF WASTE STABILISATION POND MIXING ALTERNATIVES Eric Lemont & Jonathan Hill <i>AECOM</i>	DEMAND FORECASTING AND ITS APPLICATION IN NETWORK LEAKAGE DETECTION James Ireland <i>TRILITY</i>	FOLLOW THE POLLUTION - REAL TIME DATA EXPOSING WATERWAY VANDALS Heath Baker <i>Melbourne Water</i>	SHRINKING THE CARBON FOOTPRINT OF A WATER BUSINESS Lauren Randall <i>Hunter Water</i> Nathan Malcolm <i>GHD</i>	BEHAVIOR OF ILLICIT AND PSYCHOACTIVE DRUGS IN WASTEWATER TREATMENT Luis Restrepo Vieira <i>Curtin University</i>	VEOLIA'S CONTINUING JOURNEY OF RECONCILIATION - SUCCESSES AND LEARNINGS Hannah Franklin & Nathan Landon <i>Veolia</i>	2 SOURCES, 2 TREATMENT PLANTS, 2 NETWORK CONNECTIONS: PRACTICAL RESILIENCE CRITERIA FOR CRITICAL WATER INFRASTRUCTURE Matthew Ferguson <i>Sydney Water</i>	AN ORGANISATIONAL GOVERNANCE MODEL FOR IDENTIFYING & MANAGING 'RISKY' (COMPLEX) PROJECTS John Davis <i>Infrastructure Transaction Network</i> Graham Thomsen <i>Thomsen Consulting</i>
12:15am-12:40pm	40	354	283	417	186	68	252	38
	SLUDGE MANAGEMENT IN ADVANCED FACULTATIVE PONDS Beatrice Yong <i>Water Corporation</i>	MODELLING AND APPLICATION OF THE PRESSURE-LEAKAGE RELATIONSHIP IN WATER DISTRIBUTION SYSTEMS Prof Jakobus van Zyl <i>University of Auckland</i>	AN INTEGRATED PLATFORM FOR STORMWATER ASSET CONDITION ASSESSMENT AND MAINTENANCE OPTIMISATION Steve Couper <i>Mott MacDonald</i>	CARBON MANAGEMENT IN WATER AND WASTEWATER INFRASTRUCTURE Hannah Edmond & Nick Dempsey <i>Mott MacDonald</i> Chris Thurston <i>Watercare</i>	PFAS CASE STUDY - ACHIEVING CUSTOMER EXPECTATIONS IN A COMPLEX REGULATORY ENVIRONMENT Veronique Bonnelye <i>SUEZ</i>	ACHIEVING RECONCILIATION THROUGH WATER WISDOM Rachael Siddall & Ben Fitzgerald <i>SA Water</i>	INTEGRATED, ADAPTIVE STRATEGIES FOR SERVICE PLANNING IN SOUTH EAST QUEENSLAND Craig Ma & Nichole Kelly <i>Urban Utilities</i>	IMPLEMENTATION OF ASSET INFORMATION GOVERNANCE Scott Vohland <i>Seqwater</i>
12:40am-12:45pm	75	239	321	367	47		134	110
	MANAGING SUDDEN SURGES OF NITROGEN LOAD AT A COASTAL SEWAGE TREATMENT PLANT Dr Hemadri Saha <i>Aurecon</i>	USING CHANGES TO FLUORIDE DOSING TO VALIDATE NETWORK HYDRAULIC MODELS Uwe Kaeding <i>Allwater JV</i>	PROACTIVE MITIGATION OF NETWORK PRESSURE EVENTS AND CUSTOMER INTERRUPTIONS USING DEPLOYABLE SMART TECHNOLOGY Dan Ford <i>Allwater</i>	SCOPE 1 EMISSION CHALLENGE - AN INNOVATION APPROACH TO IDENTIFYING SOLUTIONS Michael Storey <i>Isle Utilities</i>	INVESTIGATION INTO THE RISK OF LEAD LEACHING FROM A WATER METER Dr Suzanne McDonald <i>GWMWater</i>	TBC	INTEGRATED URBAN FLOOD MANAGEMENT - A GUIDE TO CHOOSING, FINANCING AND FUNDING THE OPTIONS Ben Furmage <i>CRC for Water Sensitive Cities</i>	AN ADAPTABLE UTILITY RESPONSE TO EFFECTIVELY FACILITATE MAJOR GOVERNMENT PROJECTS Guilliano Andy <i>City West Water</i>
12:45pm-1:45pm	LUNCH							

1:45pm-3:15pm	STREAM 1	STREAM 2	STREAM 3	STREAM 4	STREAM 5	STREAM 6	STREAM 7	STREAM 8
	EXCELLENCE IN OPERATIONS AND ASSET MANAGEMENT	EXCELLENCE IN OPERATIONS AND ASSET MANAGEMENT	EXCELLENCE IN OPERATIONS AND ASSET MANAGEMENT	ACHIEVING A CIRCULAR ECONOMY	RURAL, REMOTE & REGIONAL WATER	ENGAGING & WORKING WITH CUSTOMERS	RESILIENCE & WATER SECURITY	GOVERNANCE CHALLENGES & SOLUTIONS
	ASSET INVESTMENT, PLANNING & PRIORITISATION	ODOUR & CORROSION CONTROL	DATA ANALYTICS	BENEFICIAL REUSE OF WASTEWATER	WASTEWATER LAGOONS	SUPPORTING VULNERABLE CUSTOMERS	RISK & ECONOMICS	COLLABORATION & PARTNERING
1:50pm-1:55pm	360	73	376	315	399	326	468	42
	A PRACTICAL APPROACH TO BALANCING RISK AND COST - UNITYWATER SEWAGE TREATMENT PLANTS ASSESSMENT Sanath Palipana Unitywater Zoubir Ait Mansour SUEZ	A BUG'S LIFE: LESSONS LEARNED IN ODOUR CONTROL AT A LARGE URBAN PUMP STATION Anthony Domanti WSP	ADOPTION OF DIGITAL TWINS - ALIGNING OPERATIONAL MODELS AND ANALYTICS Patrick Bonk Innovyze	SPOIL REUSE: CONTRIBUTING TO CIRCULAR ECONOMY IN CANBERRA James Gibson & Joel Edwards Icon Water	AN INTERMITTENTLY MIXED HIGH RATE ALGAL POND FOR WASTEWATER TREATMENT IN RURAL SOUTH AUSTRALIA Dr Ngai Ning Cheng Flinders University	VULNERABLE CUSTOMER INCLUSIVENESS & POSITIVE BEHAVIOURAL SUPPORT Kylie Bennett Hunter Water	ESTIMATING FUTURE COSTS OF CLIMATE CHANGE - A PILOT Deborah Riley Melbourne Water	COLLABORATING ON A REGIONAL VISION FOR WATER SECURITY IN SEQ: THE WATER SECURITY PARTNER PANEL Dr Amanda Binks Seqwater
1:55pm-2:20pm	177	272	472	ACCENT SPEAKER	ACCENT SPEAKER TO BE ANNOUNCED	335	398	200
	CAPITAL INVESTMENT DECISION MAKING APPROACHES AND TOOLS Kristina Campbell KPMG	INTEGRATION OF IRON SALTS USE FOR MULTIPLE BENEFITS ACROSS THE URBAN WATER SYSTEM Prof Zhiguo Yuan Advanced Water Management Centre (UQ)	ITERATIVE RISK PROFILING OF CRITICAL WASTEWATER ASSETS Milroy Jayaveerasingam Sydney Water Ben Dunn Aurecon	PARADIGM SHIFTING IN WASTEWATER RESOURCE RECOVERY Prof Guanghao Chen The Hong Kong University of Science and Technology		A SEISMIC SHIFT IN HELPING CUSTOMERS EXPERIENCING FINANCIAL HARDSHIP Jane Tyzack Barwon Water	VISUALISING VICTORIA'S FORWARD VIEW OF WATER AVAILABILITY AND DEMAND Meg Pillai Department of Environment, Land Water and Planning Walter Godoy GHD	COLLABORATION IS THE KEY Kellie Lister Mackay Regional Council
2:20pm-2:45pm	278	152	276	176	118	46	263	158
	CANBERRA'S 50 YEAR SEWERAGE STRATEGY: AN ADAPTIVE PATHWAYS APPROACH Ryan Brothchie GHD Karey Willis Icon Water	ODOUR BASELINE INVESTIGATION AND CHEMICAL DOSING TRIALS AT LUGGAGE POINT WWTP Niall Carey SLR Consulting	AGILE THINKING IN 24/7 OPERATIONS Elsie Mann Stantec Alexander Iannella & Christine Rootsey SA Water	ACHIEVING A CIRCULAR ECONOMY: AUSTRALIAN FIRST BIOSOLIDS GASIFICATION IN LOGAN CITY Johanna Johnson Logan City Council Mark Thomas Downer Utilities	HIGH RATE ALGAL POND (HRAP) DESIGN GUIDELINES AND THE FIRST INSTALLATION AT PETERBOROUGH Michelle Wittholz Local Government Association of South Australia	YARRA VALLEY WATER'S FAMILY VIOLENCE JOURNEY Sameera Abdeen Yarra Valley Water	THE ECONOMICS OF SUSTAINABLE WATER SUPPLY SOLUTIONS FOR REGIONAL NEW SOUTH WALES (NSW) Grant Leslie Balmoral Group Australia	COLLABORATION DELIVERING INNOVATION: THE NORTHERN ADELAIDE PLAINS INTEGRATED MANAGEMENT FRAMEWORK Gerry Davies Department of Primary Industries and Regions South Australia
2:45pm-3:10pm	144	218	13	288	238	159	440	97
	MAINTENANCE STRATEGY OPTIMISATION A COLLABORATIVE APPROACH TO CONTINUOUSLY IMPROVE COLIBAN WATER'S MAINTENANCE REGIME Elizabeth Christian Lendlease Daniel Watson Coliban Water	WASTEWATER ODOUR CONTROL IN AUSTRALIA - THE GOOD, THE BAD AND THE ORDINARY Mitch Laginestra GHD	DOES YOUR NETWORK OPERATE AS WELL AS YOU THINK? Carmel Cumming Coliban Water	RECOVERING ENERGY, NUTRIENTS FROM ORGANIC SOLIDS VIA HYDROGEN REDUCTION: A GAME CHANGER FOR WASTEWATER TREATMENT Chris Hertle GHD	THE ROLE MICROORGANISMS PLAY IN THE EFFICIENCY OF WASTE STABILISATION LAGOONS Holly Stolberg The Advanced Water Management Centre and Urban Utilities	DEVELOPING AN AFFORDABILITY MEASURE FOR DOMESTIC WATER AND WASTEWATER SERVICES Livia Bonazzi & Kirsty Henry Western Water	QUANTIFYING RISK FOR STRATEGY DEVELOPMENT TO IDENTIFY RESILIENT OPTIONS Peter Carroll GHD Igor Posenjak Melbourne Water	WESTERN PARKLAND CITY - THE VALUE OF INTEGRATED BLUE-GREEN INFRASTRUCTURE PLANNING Amanda Jones NSW Department of Planning, Industry and Environment Alexus van der Weyden Frontier Economics
3:10pm-3:15pm	71	359	245	169	116	139	290	253
	BIM FOR WATER: CASE OF SEWATER SEEKING TO STRATEGICALLY NAVIGATE A SENSIBLE TRANSITION PATHWAY Dr Katrin Sturm Seqwater	DEVELOPMENT OF A TECHNOLOGY POOL FOR SEWER NETWORK ODOUR MANAGEMENT Dr Teresa Qiu SA Water	A TOOLBOX FOR ACCESS AND INSIGHTS INTO WATER QUALITY DATA FOR NON-TECHNICAL PLANNING STAFF Lisa Hamilton WaterNSW	APPLICATION OF CARRIER GAS EXTRACTION (CGE) FOR SALT RECOVERY AND ZLD Steven Lam & Hilary Chiang Gradiant International Holdings	TRANSFORMING WASTEWATER TREATMENT IN REGIONAL AUSTRALIA WITH ROBUST TECHNOLOGY FOR MULTIPLE BENEFITS: A CRC FUNDED PROJECT Dr Andrew Ward Urban Utilities and The Advanced Water Management Centre/ The University of Queensland	FROM CALL CENTRE TO CARE CENTRE Peter Dinh SA Water	DROUGHT ADAPTABILITY OF LARGE COMMERCIAL AND INDUSTRIAL WATER USERS - KEY LEARNINGS Adam Jones BMT	KEY INGREDIENTS FOR COLLABORATIVE DECISION-MAKING WHEN YOU'RE NOT IN CHARGE Christopher Tancheff South East Water
3:15pm-4:00pm	CLOSING NETWORKING DRINKS							