














Climate Change Energy & Environment Network













General information and Agenda

Tuesday 8 November – Thursday 10 November 2022

Theme	The Quest for Net Zero (carbon, nutrients, environmental impact) – through a Circular Economy	
LCC Committee Chair	TBC - Vacant	
Network Conveners	Climate Adaptation and Environment Stream: Cameron Jackson (Urban Utilities) and Deb Riley (Melbourne Water) Climate Mitigation and Energy Stream: Phil Woods (Sydney Water) & Murray Dancey (Wannon Water)	
Times	Tuesday 8th Nov – Site visit 1.00pm-5.30pm Wednesday 9th Nov – Meetings 8.30am – 4.30pm Thursday 10th Nov – Meetings 8.30am – 12.45pm lunch & close	
Location	Venue: Alex Surf Club, 167 Alexandra Parade, Alexandra Headland QLD 4572 Zoom link to be provided to those who have registered – registration link below https://reg.eventgate.com.au/Event/28237/Climate-Change-Energy-amp-Environment-Network-Meeting	
Pre-reading & prep	Please complete the one page updates with the template provided.	
Networking dinner	Wednesday 9 th Nov – Alex Surf Club 5.30pm	
Site Tour information (Tues 8th Nov)	Bus pickup 1.00pm @ Alex Surf Club, 167 Alexandra Parade, Alexandra Headland QLD 4572 Destinations: <ul style="list-style-type: none"> • Blue Heart wetland, Yandina • University of Sunshine Coast water battery and sustainability on-campus • Maroochydore Smart CBD Bus drop-off by 5.30pm @ Alex Surf Club. NB: Please bring water, a hat, sunscreen, closed toe shoes and ideally long pants/repellant for the mozzies at the wetland.	
Further Details	Elliot Stuart (WSAA Coordinator) (elliott.stuart@wsaa.asn.au , M: 0429 291 982)	
Meeting feedback survey		

Wednesday 9 November			
8.30	Welcome Welcome to Country		<i>Lyndon Davis, Kabi Kabi people</i>
8.45	Housekeeping <ul style="list-style-type: none"> • Agenda • Update from WSAs Liveable Communities Committee 		<i>Elliot Stuart, Jason Mingo, WSAA</i>
8.50	Welcome from Unitywater CEO		<i>Anna Jackson, Unitywater</i>
9.00- 9.15	WSAA project and research updates <ul style="list-style-type: none"> • Willingness to pay for Carbon Offsets project • WSAA Utility Excellence Committee – ‘Getting to Net Zero’ guide • WSAA/Sydney Water/ISF Resilience report • Climate Adaptation ISO standard • Scope 3 emissions working group update 		WSAA
9.15- 10.30	National Strategic Issues Roundtable <ul style="list-style-type: none"> • COP27 • Cwth Climate Change Act • State of the Environment Report 2021 • National Water Initiative/National Water Commission • Hydrogen • Strategy/Project survey outcomes - Discussion on entry points, opportunities to influence and implications for the Network 		<i>Danielle Francis, WSAA + Network conveners</i>
10.30- 10.45	Morning Tea		
Net Zero Carbon			
10.45- 11.45	Scope 1 Emissions <ul style="list-style-type: none"> • Fugitive emissions measurement and reduction (30mins) <ul style="list-style-type: none"> ○ Update on the Water RA State of Knowledge report ○ UQ research and Net Zero Program • EV fleet transitions for the water sector (15mins) <ul style="list-style-type: none"> ○ Challenges, opportunities and knowledge sharing <p>Discussion topic (15mins): How to progress further our Scope 1 emissions reduction?</p>	 	<i>Icon Water Water RA Prof. Liu Ye, UQ</i> <i>Kimjan Achilles, Yarra Valley Water</i>
11.45- 12.30	Scope 2 Emissions <ul style="list-style-type: none"> • Wannon Water’s 500kw floating solar array • Barwon Water wind PPA – learnings for utilities • Update from SA Water Zero Cost Energy program 	 	<i>Murray Dancey, Wannon Water</i> <i>Phil Woods, Sydney Water</i> <i>Steve Reddington, Barwon Water</i> <i>SA Water</i>
12.30- 1.00	Lunch		

1.00-1.30	<p><u>Carbon offsets & sequestration</u></p> <ul style="list-style-type: none"> Floating wetlands, emissions and teal carbon trial Vicwater collaborative carbon offsets project <p>Discussion topic: What are the challenges with using offsets and carbon sequestration, and how do we overcome them?</p>		<p><i>Meg Humphreys (Western Port Water), Deb Riley, Melbourne Water</i></p>
1.30-2.15	<p><u>Bioenergy & Hydrogen</u></p> <ul style="list-style-type: none"> Sydney Water's Malabar Biomethane Project Water RA work North East Water project Yarra Valley Water project Sydney Water hydrogen thought leadership <p>Discussion topic: When does bioenergy and hydrogen make sense for a water utility?</p>		<p><i>Phil Woods, Sydney Water Water RA John Day, North East Water Simon Prunster, Yarra Valley Water</i></p>
2.15-2.30	<p>Project/initiative discussion & prioritisation Using whiteboard</p>		<p><i>All, Facilitated by Murray Dancy, Wannon Water</i></p>
Net Zero Environmental Impact			
2.30-3.00	<p>Caboolture River Nutrient Offset project</p>		<p><i>Luisa Magalhaes, Unitywater</i></p>
3.00-3.15	Afternoon Tea break		
3.15-3.45	<p>Urban Utilities – Nutrient Neutrality / Receiving Environment Digital Twin (REDiT)</p>		<p><i>Cameron Jackson, Urban Utilities</i></p>
3.45-4.10	<p>Launch of the ANZ Wet Weather Sewer Overflow Management Guidelines</p>		<p><i>Ben Dunn, Aurecon</i></p>
Waste to Resource – Circular Economy			
4.15-4.45	<p>Food waste-energy-carbon-nutrient nexus Review of current projects and discussion on risks and opportunities</p>		<p><i>Facilitated by Simon Prunster, Yarra Valley Water & Phil Woods, Sydney Water</i></p>

Thursday 10 November			
8.30	<ul style="list-style-type: none"> • Welcome & Acknowledgement of Country • Agenda 		<i>Elliot Stuart, WSAA</i>
8.35-9.35	Bureau of Meteorology – Water sector climate change needs discovery workshop	 	<i>Aaron Wassing & Vjeko Matic (BOM Water & Ag group)</i>
Waste to Resource – Circular Economy			
9.35-10.15	Biosolids to biochar <ul style="list-style-type: none"> • Update on Water RA research • Updates on WSAA advocacy • NEMP 3.0 & PFAS Risk Management • Barwon Water Regional RON • Sydney Water biosolids carbon accounting Discussion topic: Is there a future for biosolids to land with the NEMP3.0? Are there better opportunities and more unregulated revenue through biochar?	      	<i>Water RA WSAA Sydney Water Barwon Water</i>
10.15-10.30	Morning Tea break		
10.30-10.45	Environment/Waste project/initiative discussion & prioritisation Using whiteboard		<i>Facilitated by Cam Jackson, Urban Utilities</i>
10.45-11.15	Strategic discussion on implications for utilities of the Taskforce for Climate-Related Financial Disclosure (TCFD) and the future of ESG reporting		<i>Led by Deb Riley, Melbourne Water</i>
Climate Adaptation & Resilience			
11.15-12.10	<ul style="list-style-type: none"> • Sydney Water’s move to RCP 4.5 based planning • Yarra Valley Water Climate Resilience policy • Update from WSAA’s Asset Management Network’s resilience discussions Discussion topic: What does the sector need to further build resilience?	     	<i>Elliot Cichero, Sydney Water Lisa Ehrenfried, Yarra Valley Water James Goode, WSAA</i>
12.10-12.25	Adaptation/Resilience project/initiative discussion & prioritisation <ul style="list-style-type: none"> • Where do we take Climate Adaptation next? • Do we need to rethink where climate adaptation should sit in WSAA? • Review/prioritisation of initiatives 		<i>Facilitated by Deb Riley, Melbourne Water (Network Convener)</i>
12.25-12.45	Review whole Network priorities <ul style="list-style-type: none"> • Bring whiteboards back and discuss • Conclude meeting & seek feedback 		<i>Network Conveners</i>
Lunch & end of meeting			