

1 - 3 March 2021

Sea World
Conference Centre
Gold Coast

FWR Future
Waste
Resources
CONVENTION | 2021

Optimism and collaboration for resource recovery



PRELIMINARY PROGRAM & INVITATION TO REGISTER

HOSTED BY



Reliable solutions



**Queensland's only
Convention combining
the waste and
secondary resources
sector and Queensland's
primary producers**

FWR 2021 is being held from

1 - 3 March 2021

at

**Sea World Resort
Conference Centre,
Gold Coast**

Your Invitation to join us at FWR 2021



On behalf of the Waste Recycling Industry Association Queensland (WRIQ), Queensland Farmers' Federation (QFF), and the Australian Industrial Ecology Network (AIEN) we take great pleasure in inviting you to join us for Future Waste Resources 2021

Over the last 12 months, Australia's approach to managing secondary resources has undergone a significant shift. Export bans, the COVID pandemic and more, mean that more than ever before, Government, industry and the community must work collaboratively to manage these resources, maximising their value and protecting our environment for future generations.

Focusing on the overarching theme of *Optimism and Collaboration for Resource Recovery* in Queensland, this unique event brings together the resource recovery industry, manufacturing and primary producers and includes specialist presenters and suppliers outlining real challenges, successes, and case studies, as well as tools, ideas and strategies for the future.

The Convention program also allows ample time for networking, social events and other activities.

FWR provides the ideal setting for all organisation's, Government and businesses to come together to discuss challenges and opportunities as Australia and world communities respond to the impacts of a modern health pandemic on our economic, environment and social wellbeing.

We look forward to you welcoming you to FWR 2021.



Mark Smith
Chief Executive Officer
Waste, Recycling
Industry Association



Dr Georgina Davis
Chief Executive Officer
Queensland
Farmers' Federation



Colin Barker
Chair
Australian Industrial
Ecology Network

Host Organisations

Waste, Recycling industry Queensland (WRIQ)

WRIQ is the premier industry association in Queensland, representing more than 90 Queensland-based organisations ranging from large multi-national organisations through to small family-operated enterprises.

WRIQ engages and advocates with its stakeholders in a wide range of legislative and regulatory issues, which members have identified issues impacting the industry.

Queensland's waste management and secondary resources (including recycling) industry, provides essential infrastructure and services, as demonstrated by the efficient manner in which wastes are safely collected and treated, thus safeguarding public and environmental health. The sector also recovers valuable secondary resources generated during extraction and manufacturing processes and those later discarded by society, therefore driving a circular economy and directly contributing to the economic growth of the State.

Visit: www.wriq.com.au



Queensland Farmers' Federation (QFF)

QFF is the united voice of agriculture in Queensland. We engage in a broad range of economic, social, environmental and regional issues of strategic importance to the productivity, sustainability and growth of the agricultural sector. Our mission is to secure a strong and sustainable future for Queensland farmers by representing the common interests of our member organisations.

For more than 30 years, QFF has earned a formidable reputation as a leader in sectoral policy development and driving change to improve the operating environment for Queensland's farmers. Recognised as a non-partisan organisation that works effectively with all levels and sides of government, QFF is widely acknowledged as one of the most influential and respected advocacy groups in Queensland. Currently uniting 21 peak state, national and regional agriculture industry organisations and the state's irrigation groups, the federation collectively represents the majority of farmers in the state.

Visit: www.qff.org.au



Australian Industrial Ecology Network (AIEN)

AIEN is a vibrant network of like-minded individuals, companies, and institutions with a common interest in sustainable development through the study and practice of industrial ecology.

We advocate the principles and concepts of industrial ecology (IE) in policy formation and business practice. The AIEN actively engages with organisations to facilitate improved performance and environmental benefit.

AIEN acts as a catalyst in facilitating the collaboration of industrial ecology solutions that addresses the gaps in Australia's current fragmented and uncoordinated approach. AIEN aims to bring industry, government, and community stakeholders together to capitalise on IE opportunities and resolve emerging issues with coordinated solutions.

Visit: www.aien.com.au





Who will Attend

FWR 2021 is expected to attract more than 200 delegates from all corners of the industry including:

- Representatives from Local, State and Federal Government
- Resource recovery and waste management companies
- Primary producers and extension service providers
- Agronomists
- Experts in legal, insurance, contracts and policy issues
- Representatives from associated industries such as building and manufacturing
- Suppliers of vehicles and other plant and equipment
- Other suppliers, such as software, hardware and bin companies
- Providers of innovative solutions to niche parts of the industry

FWR2018 attracted a high calibre of participants from both regional and metropolitan Queensland as well as other Australian States and Territories.

Venue

**Sea World Resort Conference Centre
Seaworld Dr, Main Beach QLD 4217**

Set between the Gold Coast's spectacular Broadwater and the Pacific Ocean, Sea World Resort is an idyllic location for conferences and events.

Sea World Resort is only a monorail ride away from special encounters with Sea World's wonderful marine life. There are also discounted room packages available for those who wish to stay onsite

Location

Australia's Gold Coast is a unique city and one of the world's best holiday and conferencing destinations. It has everything that is great about Australia, all in one easy to reach location. A spectacular coastline, World Heritage listed rainforest, an exciting city centre, golf courses, theme parks, shopping, restaurants and year round events.

A sun-kissed city by the sea, the Gold Coast is a place defined by an unmistakable energy. Each year, over 13 million visitors flock to the city, eager to soak up the sun, feel the sand between their toes and take part in the near limitless range of attractions and experiences.

Located on Australia's South-East Queensland coastline, the Gold Coast is serviced by two major airports. Brisbane Domestic and International Airport is less than one-hours drive away, while Gold Coast Airport is just 30 minutes drive from the centre of Surfers Paradise. Direct flights to and from all Australian capital cities and regional areas, plus a majority of metropolitan centres across the globe are readily available through a wide range of airlines. The Gold Coast also has an extensive public transport network.

Thank you to our Partners and Sponsors

Diamond Partner



Container Exchange (COEX) is the proud custodian of the Queensland Government's Container Refund Scheme (CRS) Containers for Change.

Containers for Change aims to increase recycling rates and reduce litter by allowing Queenslanders to exchange eligible drink containers for a 10-cent refund.

The Scheme was introduced in late 2018 in a bi-partisan effort to tackle high levels of beverage container litter and low recycling rates. At the time beverage containers were Queensland's second most-littered item after cigarette butts.

COEX is a not-for-profit that operates via a product responsibility and stewardship model. An extended producer responsibility model sees accountability for recycling placed on the producers of products.

As the Product Responsibility Organisation (PRO) behind Containers for Change, COEX is responsible for implementing logistics and ensuring the Scheme fulfils its responsibilities.

The organisation drives the Scheme objectives of reducing beverage container litter, increasing recycling efforts and working to provide benefits to social enterprises and community groups.

Another key focus for COEX is increasing participation within Queensland's circular economy.

Strategic partnerships with Enviro Sand and the Department of Transport Main Roads have delivered compelling examples of recycling's circular economy at work.

A Direct Sales Agreement with Enviro Sand has facilitated the conversion of Scheme glass into sand substitute products with a range of practical applications in pool filters, sand blasting and building materials such as kitchen benches.

More than 200 tons of local crushed Scheme glass was used in the construction of a 1.2 kilometre road upgrade in North Queensland as a result of a partnership with the Queensland Department of Transport and Main Roads.

w: www.containersforchange.com.au/qld/

Sapphire Sponsor



Bunnings is the leading retailer of home improvement and outdoor living products in Australia and New Zealand and a major supplier to builders, tradespeople, the housing industry and commercial businesses through Bunnings Trade.

Bunnings Trade and Queensland Farmers Federation are delighted to announce a strategic partnership which gives you the opportunity to join PowerPass! Bunnings PowerPass is a free commercial account designed to make life easier for trade and commercial customers, giving you access to customised pricing, offers on a wide range of quality brands and flexible fulfilment solutions, backed by a national network of stores, and extended opening hours.

w: www.bunnings.com.au/trade

Gala Dinner Sponsor



The Queensland Government's #eatqld campaign, along with its #eatqld champions, encourages the community to eat local, stay healthy and support jobs in the state's agricultural sector.

Queensland's produce is second to none. By eating locally produced meat, dairy, seafood, fruit, nuts and veggies you support Queensland farmers and everybody that brings that food to your table while staying healthy.

When you explore and enjoy Queensland's home-grown produce, be sure to take a photograph, share it online and use the hashtag #eatqld to spread the word about the diverse range of fresh produce on offer and the world of flavour from the state of delicious.

w: www.daf.qld.gov.au/eatqld

Networking Function Sponsor



Strong and durable, DOLAV's products are recognised worldwide as the premier solution for storage, transport, warehousing and goods handling. The recycling industry is known for its intense and damaging use of box pallets for transporting products. This demanding industry needs high impact resistance boxes which make DOLAV's boxes ideal for this market. DOLAV's boxes can be successfully used to transport batteries, electrical appliances, metal parts and glass fragments, food waste, recycled materials and much more.

w: www.dolav.com

Coffee Cart Sponsor

HITACHI

Reliable solutions

Hitachi Construction Machinery (Australia) Pty Ltd (HCA) is the exclusive distributor of Hitachi and Bell products in Australia. Committed to delivering machinery sales and support to Australian customers across the mining, construction, quarry, material handling and waste/recycling industries through a wholly-owned national branch network and 24/7 customer support centre.

w: www.hitachicm.com.au

Lanyards Sponsor



BMI Group is a leader in Waste Management for Resource Recovery, Landfilling and Remediation and the operation of Transfer Stations across the Brisbane, Ipswich and Gold Coast regions. We have extensive experience across a range of waste management practices and waste streams and remain committed to providing sustainable practices, innovative solutions and continual improvements in recovery, recycling and reuse.

w: www.bmigroup.com.au

Ruby Sponsors



Kennedy's continues to strive towards being the most respected supplier of premier Australian recycled and eco sustainable hardwoods. With an impressive history of signature projects, our timbers are in high demand across the commercial and residential building industry. The ultimate renewable resource, timber is a natural alternative to conventional building products and Kennedy's provide the full spectrum of design possibilities.

w: www.kennedystimbers.com.au



MRA is one of Australia's leading environmental consultancy firms, specialising in all aspects of waste and recycling. We are experts in waste, resource recovery and technology, planning, organics, carbon and sustainable development.

MRA has been continuously recognised by Inside Waste readers in the annual Inside Waste Consultants Review since 2013.

w: www.mraconsulting.com.au



Cleanaway is Australia's leading total waste management, industrial, environmental and health services company. Our mission is to make a sustainable future possible, driven by the philosophy that all waste is a resource. We are committed to the safe and responsible management of waste, regulatory compliance and environmental sustainability.

w: www.cleanaway.com.au

0745	Registration Open
INDUSTRY TOUR	
0800	<p>TOMRA Varsity Lakes Depot</p> <p>The TOMRA Varsity Lakes site is an approved Container Refund Point under the QLD Container Refund Scheme known as Containers for Change. The site is operated by the world's leader in reverse vending technology, TOMRA.</p> <p>Delegates will see state of the art automation in collecting containers and assessing their eligibility and how this translates to automated sorting in the back of house.</p> <p>Stapylton Resource Recovery</p> <p>This recently converted quarry provides a convenient disposal location within easy reach of southern Brisbane and the Gold Coast.</p> <p>The site consists of a 10 million cubic metre landfill for general waste as well as limited regulated waste and a transfer station incorporating recycling with a new 200,000tpa plant due for completion in Oct 2021.</p> <p>Onsite activities include timber, soils and concrete processing.</p> <p>Phoenix Power Recyclers</p> <p>Phoenix is Queensland's first purpose built environmentally controlled composting facility.</p> <p>The facility features aerated floor composting tunnels in a negative pressure environment where odour emissions are minimised and the conditions for composting are optimised. This makes it ideally suited to accept FOGO and food wastes of all kinds.</p> <p>Phoenix is also working to develop markets in the agricultural community, through market education strategy forming partnerships with waste producers from the food production and biosolids industries to develop products that are in increasing demand for the health of agricultural soils.</p> <p><i>Lunch will be provided on the tour</i></p> <p><i>* The Industry Tour is not included in registration packages. Tickets are available for \$150 each. To book please visit: https://events.humanitix.com/fwr_210301</i></p>
1415	Tour returns to Sea World Conference Centre

1400	Registration Open	
OPENING PLENARY - FEDERAL UPDATE		ROOMS 1 & 2
1500	<p>Welcome and Introduction</p> <p>Mark Smith, Waste, Recycling Industry Association QLD</p>	
1510	<p>Welcome from the Federal Government</p> <p>Hon Trevor Evans MP, Assistant Minister for Waste Reduction and Environmental Management</p>	
1520	<p>Waste Export Bans</p> <p>Rachel Burgess, Department of Agriculture, Water and the Environment</p> <p>The Recycling and Waste Reduction Act 2020 regulates the export of certain types of processed waste - and you will need a licence to export it. Find out more about these important reforms and what they mean for you.</p>	
1540	Questions and discussion	
1550	<p>Recycling Modernisation Fund</p> <p>Antonella Bates, Department of Agriculture, Water and the Environment</p> <p>The Recycling Modernisation Fund (RMF) will generate \$600 million of recycling investment from Australian Government, state and territory governments and industry investments. Come along to find out more.</p>	
1610	Questions and discussion	
1620	<p>Action Plan Areas of Focus</p> <p>Cameron Colebatch, Department of Agriculture, Water and the Environment</p> <p>National Action Plan creates targets and actions to implement the 2018 National Waste Policy. These targets and actions will guide investment and national efforts to 2030 and beyond. Come along to learn more about what the government is doing on Product Stewardship, Plastics Plan, Sustainable Procurement and Food Waste.</p>	
1650	Questions and discussion	
1700	Close Day 1	
1730-1930	<p>Networking Function</p> <p>Trade Exhibition Area</p>	

0700	Registration Open
BUSINESS LEADERS' BREAKFAST: COVID-19'S BUSINESS LESSONS AND OPPORTUNITIES FOR QLD*	
0730 - 0815	<p>Ai Group and Future Waste Resources Convention will be hosting an event with business leaders from South East Queensland to discuss the opportunities and lessons of COVID-19. Facilitated by Ai Group this event will reflect on the experiences of 2020. Panellists include:</p> <ul style="list-style-type: none"> Ken Noye, Container Exchange Susan Heaney, Heaney's Performers in Print Glen Duggan, Aleeda Wetsuits Katrina Main, Cawarra Cosmetics
<p>* The Business Leaders Breakfast is not included in registration packages. Tickets are available for \$40.70 each. To book visit https://events.humanitix.com/fwr-210302</p>	



0800	Registration, Tea and Coffee in the Trade Exhibition	
STATE GOVERNMENT UPDATES FOR BUSINESS		ROOMS 1 & 2
0930	Welcome and Introduction Dr Georgina Davis , Queensland Farmer's Federation	
0940	Official Opening The Honourable Meaghan Scanlon MP , Minister for Environment and The Great Barrier Reef and Minister for Science and Youth Affairs	
0955	Keeping the doors open in a pandemic Ken Noye , Container Exchange COEX is a not-for-profit organisation driven to support local businesses and the wider community and many of our customers are charities, community groups or vulnerable individuals who rely on their income from the scheme. Ken talks about COEX's COVID response to ensure the scheme remained open and accessible to our customers through the pandemic.	
1000	Queensland Waste and Resource Recovery Agenda Pravin Menon & Andrew Connor , Department of Environment and Science How the Queensland Government is creating a circular economy for waste, and insights into regulatory initiatives.	
1020	Questions and discussion	
1030	Morning Tea in the Trade Exhibition	
	ORGANICS [PART I]	ROOM 1 REGULATORY INSIGHTS ROOM 2
1100	Is Food Organics and Garden Organics (FOGO) inevitable Dr Virginia Brunton , MRA Consulting Group This talk will assess the state of play for organics in Australia, looking at the costs and benefits of collection and processing, and what we know about how organics recovery can help achieve State and Federal waste targets.	Legal and Policy Update – Waste and Recycling Leanne O'Brien , Corrs Chambers Westgarth Corrs will present a legal update that tracks significant environmental and waste legislative and policy changes which have occurred during 2020 and 2021, as well as following cases that have been started or decided in that time, which may affect the Qld waste and recycling, agricultural and sustainable development industries.
1120	Halving Food Waste in Australia in 10 years: The challenge and opportunity ahead Mark Barthel , Fight Food Waste CRC Have you ever wondered how much food is wasted globally or in Australia and what to do about it? Since 2004, Mark has worked in 16 countries to quantify, reduce and transform the food we waste. He will cover the volumes, values and root causes of food waste and the strategies and tactics to address it.	When the regulator comes knocking - A practical response to WHS and environmental incidents Antra Hood & Deanna McMaster , MinterEllison Waste management and waste levy compliance has been identified as one of the key strategic and operational focus areas for DES and it is more important than ever to understand and comply with your legal obligations in relation to health, safety or environmental incidents.
1140	Making Top Soil: Compost delivering carbon credits for the circular economy Matthew Warnken , AgriProve Compost's role in a circular economy is relatively well articulated. However opportunities to create carbon credits have yet to be proven in the Australian context. This presentation examines how compost can create soil carbon credits and unlock other sources of revenue.	PFAS and Regulation in Queensland Quinn McDonald , Department of Environment and Science Per and poly-fluoroalkyl substances (PFAS) are found in a range of common household products and used in some industrial processes. PFAS can cause environmental concern at relatively low concentrations and due to their widespread use, PFAS present a range of challenges to both regulators and industry.
1200	Questions and discussion	
1230	Lunch in the Trade Exhibition	
	ORGANICS [PART II]	ROOM 1 EDUCATION & PUBLIC MESSAGING ROOM 2
1330	Commercial Food Waste Recycling - Key success factors & lessons learnt Linda Nordin , GHD & Hiro Morita , Village Roadshow Learn from national and international experiences on what is required to plan, implement and operate a successful commercial food waste recycling service for Local Government. Village Roadshow will share their story on how they introduced Food recycling across their theme parks on the Gold Coast.	How do we make 10 cents matter? Glenda Viner , Container Exchange Containers for Change social marketing strategy achieved mass awareness of the newly launched scheme with more than 85% brand awareness in its first year of operation. As for converting awareness to participation, it all drilled down to one very simple proposition . . . how could we make a 10-cent container refund matter to Queenslanders?
1350	2030 Vision: Australia's World leading organics recycling industry and how to get there Peter Olah , Australian Organics Recycling Association AORA's 10-year strategy for the Australian organics recycling industry will take the industry from a solid base to recognition as a world leader in the recycling of organics, for innovative and efficient processing into desirable products, and for the relevance, quality, economic and environmental value of these products.	Building Trust and Brand Equity through Strategic Communication - Do we need it? Mel Deacon , Elevate Communication This presentation will cover how we can educate Australian's about the waste and resource recovery sector through strategic messaging and communication initiatives, and how to mitigate issues and protect our industry reputation when crises occur.
1410	How to get food organics collections to work Karinne Taylor , MRA Consulting Group MRA Consulting Group has a wealth of experience in the collection of organics from households and businesses. Karinne will look at best practice collection systems, sharing data on specific elements that affect organics recovery rates, and share some case studies from around Australia.	Check it! Before You Chuck It: Building a nationally consistent approach to sustainable packaging education Meredith Epp , APCO APCO's National Consumer Education Campaign is designed to improve sustainable packaging awareness and behaviour in Australia. This session will explore the the Check It! Before You Chuck It campaign, which aims to generate widespread awareness and understanding of the Australasian Recycling Label Program.
1430	Fire ants ... let's take them out together Colette Torrance , Department of Agriculture and Fisheries This session will discuss how the National Red Imported Fire Ant Eradication Program is helping waste facility staff better understand the risks of fire ants and the action you can take. They will share tips on designing an effective treatment plan and discuss how it's important to work together to eradicate fire ants from Australia.	Veolia's Future Resourcers: National education program for schools Randy Mendez & Jessica Mulligan , Veolia Future Resourcers is Veolia's national program for schools. Students learn about waste and recycling, with a focus on Food Waste. Students are challenged to create an innovative solution and present it via video, for a panel of industry judges to then choose the Future Resourcers winner!
1450	Questions and discussion	
1515	Afternoon Tea in the Trade Exhibition	
DISASTERS: ARE WE READY WHEN THINGS GO WRONG?		ROOMS 1 & 2
1545	Reflecting on disruption and building resilience Jillian Riseley , Metropolitan Waste and Resource Recovery Group Metropolitan Waste and Resource Recovery Group (MWRRG) reflects on sector disruption and building resilience and support for local councils. MWRRG supports the 31 metropolitan Melbourne councils (serving approximately 4.96 million Victorians) in waste and resource recovery, including the procurement and management of over \$100 million in processing contracts. This session will provide MWRRG's view of how to build and increase resilience of recycling service provision for local councils.	
1605	One Man's Rubbish is Another Man's Treasure – A humanitarian Perspective David Brown , Australian Red Cross Social implications of waste management and our understanding of waste are often a reflection on our wider society. Waste does not just magically turn into newly recycled materials, there are so many human lives that are affected. It is important that we give voice to those affected in order for us to have future positive impacts.	
1625	The 2016 Dreamworld Tragedy: Lessons from an accident waiting to happen Damien Stinson , Gallagher In October 2016, four park guests were killed when their raft capsized on the Thunder River Rapids Ride at Queensland's Dreamworld Park. The worst theme park accident in 40 years was completely avoidable, according to the coroner's damning report. Ardent Leisure was subsequently charged with three offences under section 32 of the Queensland Work Health and Safety Act. They pleaded guilty to all charges and were fined \$3.6 million. This presentation will reflect on the lessons from this tragedy and how these can be applied to all organisations.	
1645	Questions and discussion	
1715	Close Day 2	
1830 - late	Gala Dinner Sea World Conference Centre	

0800	Registration, Tea and Coffee in the Trade Exhibition	
INNOVATION, FINANCE AND ENERGY		ROOMS 1 & 2
0900	Welcome and Introduction Colin Barker , Australian Industrial Ecology Network	
0910	Going circular - The opportunity for Australia to transition to a circular economy Dr Lucas Carmody , PwC Australia Australia is depleting its resources at an accelerated rate, whilst generating unprecedented waste and emissions, to the detriment of the region not just environmentally, but socially and economically. Reversing the current pattern of development requires a truly holistic approach. PwC explores the economic case for Australia to adopt the concept of a circular economy, and propose a robust framework for sustainable Australian growth.	
0930	National and Queensland energy market update Alan Gill , Choice Energy 2020 was a huge year for businesses, global markets and governments at all levels. The National Electricity Market experienced a massive shift, reaching a 5-year-record low while providing new cost-saving opportunities for businesses. In this session, you'll discover a range of tactics your business can employ to improve your bottom line, learn about the hidden components of energy bills, find out about the viability of renewables and learn more about what the future energy landscape looks like both locally and nationally.	
0950	Finance Update Tania Smith , ANZ Tania will be talking about recent developments in the sustainable finance market and how these are relevant to Australian businesses within the waste and resource sectors. She'll be discussing the types of waste and resource projects and infrastructure that the financial sector are interested in supporting and providing some insight into likely trends in the coming years.	
1010	Questions and discussion	
1030	Morning Tea in the Trade Exhibition	
	ENERGY [PART I]	ROOM 1
		ROOM 2
1100	Driving the energy transition in Queensland Prof Ian Mackinnon , Queensland Strategic Hydrogen Advisor Extensive use of green hydrogen and other renewable energy storage vectors is exceptionally suited to Queensland's demographic and to region-specific combinations of energy technologies. Prof Mackinnon will briefly address conditions that may amplify a sustainable domestic, and export-oriented, green energy industry.	Packaging waste collection and processing options in remote and regional areas Peter Brisbane , APCO Building on the key learnings and recommendations gathered in APCO's recently published report 'Packaging waste collection and processing options in remote and regional areas', this presentation will outline some of the unique recovery challenges that communities in these regions experience. It also identifies 22 opportunities for improvement.
1120	Funding for the Future Mac Irvine , Clean Energy Finance Corporation Raising capital for waste and bioenergy projects can be challenging. This presentation will provide an overview of what investors look for when assessing investment opportunities, how project developers should consider projects and when to approach investors, and provide some case studies of investments CEFC has made in the sector.	Understanding technical solutions for plastics recycling and their opportunities and limitations Eric Paulsen , CEMAC Technologies This presentation seeks to outline plastics recycling technology options and their capabilities and limitations focusing mainly on polymer types PET, PE and PP. Further exploring the economic context to successfully establish the circular loop of plastics.
1140	Sustainable Multifuel EfW Solutions – Utilising Experience and Proven Technology from Finland Minna Vilkuna , Rare Voyage Finland has over 40 years' experience developing and supplying EfW technologies capable of utilising residual waste streams into energy. Today hundreds of power plants around the world based on Finnish technologies are contributing to energy recovery from non-recyclable waste streams and the reduction of greenhouse gases. They offer greater fuel flexibility, higher electricity generation and state-of-the-art emissions control.	Containers for Change: Building a better scheme using data Aaron Rodman , Container Exchange COEX has set an ambitious target of recycling 85 per cent of eligible containers by 2022. To get there, we need to build on our customer and stakeholder feedback with a range of data-based operational and commercial insights. Aaron explains about the role of data in building Australia's best container refund scheme.
1200	Questions and discussion	
1230	Lunch in the Trade Exhibition	
	ENERGY [PART II]	ROOM 1
		ROOM 2
1330	The Future of AD in QLD Fiona Waterhouse , Utilitas Queensland is yet to unleash the full power of biogas from anaerobic digestion (AD) of organic waste to fuel industry, support energy networks and energise communities. Utilitas Group founder and CEO, Fiona Waterhouse, will outline why COVID-19 has sharpened our focus on food and fuel security and how this is unlocking utility scale, commercial grade AD as a mainstream infrastructure asset class in Queensland.	Making zero plastic loss an industry norm Heidi Tait , Operation Clean Sweep It's not only compliance agencies placing an increasing focus on pollution emissions from industry operations, but extended customer chains as well. Publicly highlighting your social licence to operate framework gives credibility to not only your business, but to your industry as well. Operation Clean Sweep is a plastics and logistics industry program providing support and resources to reduce the loss of plastic feedstock into the environment.
1350	Resource Recovery from Waste: Energy, Biocarbon and CO ₂ Dr James Joyce , Pyrocal Residual waste (including agricultural biomass) can be sustainably transformed into energy, biocarbon and CO ₂ using continuous carbonisation technology. The benefits include new revenue streams, operational savings and landfill reduction. James will talk about processing of clean biomass residues through to more challenging residual waste streams from waste water treatment and MSW.	Using video telematics to improve driver safety Mark Dudman , DriveRisk DriveRisk use state of the art video telematics incorporating AI+MV to uncover hidden on-road risk for your fleet. We analyse the video for risk indicators giving the operators useable data to change risky behaviour and mitigate the likelihood of collision. Predictive analytics allows us to use the data in a meaningful way which provides measurable improvements and positive ROI.
1410	Making Waste Work for Agriculture: Key lessons for biogas projects in the agriculture sector Jason Hawley , FinnBiogas Drawing on experience locally and abroad, the presentation summarises key lessons that can be applied in the Australian agriculture sector for the successful development of anaerobic digestion projects. The presentation will cover the uses for energy as electricity, heat and biomethane, and explain how having well-defined project outcomes is critical to project success.	Detection of landfill gas emissions using drones Dr Grazia Gargiulo , Terra Sana Consultants Detecting landfill gas fugitive emission is a challenging task. To overcome the current technological constraints, Terra Sana Consultants have developed an Unmanned Aerial Vehicles (UAV) system able to detect surface fugitive emissions associated with landfill operations and clearly georeferenced landfill gas emissions hot-spots.
1430	Questions and discussion	
HORIZON SCAN		ROOM 1
1500	CSIRO's National Roadmap for the Circular Economy Dr Andrea Walton , CSIRO Land and Water Our traditional 'take-make-dispose' consumption pattern is hitting two walls: ever-more-expensive primary materials, and ever-more-unacceptable ways of dealing with waste. Aiming for 80% recovery rate of all plastics, glass and paper by 2030, and 100% recovery of tyres, the roadmap identifies a way forward for unlocking future growth opportunities for Australian recyclables and reducing the amount of plastic, glass, paper and tyres that ends up in landfill or leaks to the environment.	
1515	Federal Government Future Directions Hon Trevor Evans MP , Assistant Minister for Waste Reduction and Environmental Management	
1520	Wrap Up and Closing Remarks Mark Smith , Waste, Recycling Industry Association QLD	
1530	Convention Close	

NETWORKING FUNCTION

The Networking Function is a fantastic opportunity to mingle with fellow attendees, the speakers and exhibitors in an informal atmosphere.

Sponsored by:



- Date:** Monday 1 March 2021
- Time:** 5:30 – 7:30pm
- Venue:** Sea World Conference Centre
- Dress:** Casual
- Tickets:** Included in full registrations or optional event for \$90. Please indicate on the registration form if you wish to attend this function and the ticket will be added to your invoice.

GALA DINNER

Unwind and get to know your industry colleagues, discuss the highlights of the day and enjoy a delicious dinner.

Sponsored by:



- Date:** Tuesday 2 March 2021
- Time:** 6:30pm – late
- Venue:** Sea World Conference Centre
- Dress:** Business/Smart Casual
- Tickets:** Included in full registrations or optional event for \$150. Please indicate on the registration form if you wish to attend this function and the ticket will be added to your invoice.

ACCOMMODATION

SeaWorld Resort is pleased to offer guests attending the FWR Convention the following special rates:

- Resort Double/Queen Room \$169/night
- Premium Double Room \$194/night

Rooms include free wifi and parking (self-park).

Buffet breakfast in the Shoreline Restaurant is available for \$18 per person per day when booked with accommodation.

To book please go to: <https://reservations.seaworld.com.au/107594?groupID=2693245>

All Reservations Require Credit Card Deposit of 100% of stay due at time of booking. Cancellations are non refundable unless due to Force Majeure conditions. In this case, your booking will either be refunded or postponed.



General Information

HOW TO REGISTER

Registration can be completed through either the online or pdf form available at fwrconvention.com.au.

On receipt of your completed form, you will receive a confirmation email and tax invoice. Please note, registrations are not confirmed until payment is received in full.

If you are a WRIQ, QFF or AIEN Member please ensure you have your promotional code prior to commencing the registration process. For promotional codes, please contact our office on register@revolveservices.com.au.

Convention registrations cannot be shared. Strictly one delegate per registration only.

Business Leaders Breakfast

Tickets for the Business Leaders Breakfast are available for \$40.70 each. To book please visit <https://events.humanitix.com/fwr-210302>

Industry Tours

Tickets for the Industry Tours are available for \$150 each. To book please visit: https://events.humanitix.com/fwr_210301

Registration Packages

For details about registration package inclusions and fees please visit: <http://www.fwrconvention.com.au/register/registration-packages-fees/>.

Payment

Registration will not be confirmed until payment is received in full. All fees are in Australian Dollars \$AUD and are inclusive of 10% Goods and Services Tax (GST).

Cancellations

Cancellation of your registration must be advised in writing to register@revolveservices.com.au. Cancellations received on or before 2 February 2021 will receive a full refund less a \$165 administration fee, cancellations received after this date will not receive a refund, however, we will accept delegate name changes at any time leading up to the event (differences in registration fees may be applicable).

Disclaimer

Every effort has been made to present all the information contained in this brochure as accurately as possible. The organisers reserve the right to change, without notice, any or all of these details.

Parking

Self-parking is available at Sea World Resort. Please refer to the Resort Map & Location above for location details. Valet parking is also available at \$10 per day.

Dietary & Special Requirements

Please advise on your registration form if you have any dietary or special requirements.

COVID-SAFE

Closer to the event we will circulate updated information regarding measures we are implementing to provide a safe environment for all attendees.

Airport Transfers

Airport shuttle transfers are available through Alpha Transfers. Visit alphatransfers.com.au for booking information.

Airtrain also operates between Brisbane Airport and Gold Coast stations. Visit airtrain.com.au to plan your journey.

Dress Code

The dress standard for the event is business/smart casual including sessions and evening functions.

Insurance

Registration fees do not include insurance of any kind. It is strongly recommended that all delegates take out their own travel and medical insurance before attending the event. WRIQ will not take any responsibility for any participant failing to insure.

Privacy

In registering for this event relevant details may be incorporated into a delegate list for the benefit of all delegates (name, organisation and title) and may be made available to parties directly related to the event including WRIQ, QFF, AIEN and sponsors (subject to conditions). If you do not wish to be included in the delegate list, please email register@revolveservices.com.au.

Photography/Recording

By registering for the Future Waste Resources Convention 2021 you consent and grant permission to WRIQ, QFF, AIEN, their agents and others working under its authority, to take and to have full and free use of video/photographs containing your image/likeness. These images and recordings may be used for promotional, news, online/multimedia, research and/or educational purposes by and for WRIQ, QFF and AIEN. Copies of the event photographs will be made available to the attendees after the event.

Contact

If you have any questions about the event or registration please contact the conference secretariat:

rEvolve Services
T: 1300 421 065
E: register@revolveservices.com.au