



Energy from Waste Theatre 2017

Tuesday 12 th September		Wednesday 13 th September		Thursday 14 th September	
10:30 – 10:35	Chair's opening welcome Dr. David Greenfield , Managing Director, SOENECS Ltd	10:30 – 10:35	Chair's opening welcome Alison Carter , Editor, The ENDS Report	11:00 – 11:05	Chair's opening welcome Maxine Perella , Environmental journalist
10:35 – 11:20	PANEL: Future forecasting – opportunity knocks for the waste to energy industry The panel assesses where new commercial prospects lie and what could constitute barriers to the growth of the EfW industry within the UK and wider global market. <ul style="list-style-type: none"> • Where are the business opportunities in developing economies and increasing urbanisation? • With a national carbon target of 80% reduction by 2050, where are the opportunities in a decarbonising economy and potential for hydrogen fuels? • Impact of automation of waste collection and MRFs on EfW • If recycling rates increase where will EfW derive future feedstocks? • Will increasing fossil fuel prices make waste derived fuel more competitive? Dr Costas Velis , Vice-Chair, Waste to Energy Research and Technology – UK and Coordinator, Circular Economy and Resource Recovery, University of Leeds Stuart Hayward-Higham , Technical development director, Suez Recycling and Recovery UK	10:35 – 11:35	The international RDF trade debate: Are UK feedstocks wasting away? With introductory keynote from CIWM President Professor Margaret Bates. <ul style="list-style-type: none"> • Does the international trade of EfW feedstocks critically undermine the industry's environmental credentials? • Why invest in further EfW infrastructure at home when there's a ready market elsewhere? • What are the benefits of increased domestic waste to energy generation over RDF export in terms of employment, energy security and economic resilience? • How will possible post-Brexit tariff regimes impact RDF exports? • How does the fluctuating position of sterling impact these export and import flows? • What opportunities exist for high specification SRF? Prof Margaret Bates , President, CIWM Ralf Schopwinkel , Development director, Geminor Ltd (Harriet Parke , Senior Consultant, Eunomia (Karl Walter Scheel , Inbound Material Manager, CEMEX (Reserved for sponsor	11:05 – 11:35	KEYNOTE: Energy from Waste policy and regulation frameworks post-Brexit With so much of the current regulatory framework surrounding EfW arising from EU targets and ratings, Brexit marks a time of uncertainty for the industry but also an opportunity to shape new policies going forward. <ul style="list-style-type: none"> • Adoption or adaption of the EU circular economy package? • What are the implications of the EU report 'The role of waste-to-energy in the circular economy'? • What regulations are likely to survive the 'Great Repeal Bill'? Roy Hathaway , Europe Policy Advisor, Environmental Services Association
		11:50 – 12:20			

	Mark Sommerfeld , Policy Analyst, Renewable Energy Association				
11:35 – 12:20	<p>CASE STUDY: Monetising by-products - from residues to revenues</p> <p>This session uncovers how to commercialise use of by-products from EfW processes. Sustaining revenue streams for plants, incentivising future investment in the industry, and improving its environmental credentials. Success stories will be shared on</p> <ul style="list-style-type: none"> Achieving circularity through the use of bottom ash and air pollution control residues in aggregates and concrete building materials Avoiding contamination to produce quality fertilisers from pyrolysis biochar and AD digestate Effective recovery of high value and precious metals from bottom ash <p>Keith Trower, Managing Director, Viridor Resource Management Harry Perry, Technical Director, Chinook Energy Stephen Roscoe, Technical Director, Carbon8 Anne Velenturf, Project Coordinator, Resource Recovery from Waste programme, Natural Environment Research Council</p>	12:30 – 13:10	<p>SMART CITY CASE STUDY: Treating London’s waste to generate local energy</p> <p>In this session we explore the latest developments in CHP and district heating projects in London that are supporting the drive to Smart City status.</p> <ul style="list-style-type: none"> What are the next steps for the EfW industry to tap into growing interest in district heat networks in delivering efficient and profitable CHP projects? How can the industry work effectively with councils and to integrate CHP in planning stages? What are the challenges for delivery networks’ infrastructure requirements? <p>Dr Tim Rotheray, Director, Association for Decentralised Energy Cllr. Jayne McCoy, Chair, Housing, Economy & Business Committee, London Borough of Sutton Peter Sharpe, Managing Director, LondonWaste Ltd.</p>	11:50 – 12:35	<p>PANEL: Making fuel outputs profitable - tested approaches to generation and distribution</p> <p>The move from traditional incineration plants to advanced conversion technologies opens up opportunities to generate commercially viable outputs from EfW plants in the form of consumable fuels and commodity chemicals. This session explores what business opportunities are available in terms of:</p> <ul style="list-style-type: none"> Distributing BioSNG and biomethane via the grid and local distribution networks Supplying compressed liquid natural gas (LNG) for haulage vehicles Potential of Hydrogen production via gasification Waste water as a bioresource Support available from renewable transport fuel obligations and renewable heat incentives <p>Gaynor Hartnell, Senior Advisor, Renewable Energy Association David Pickering, BioSNG Project Manager, National Grid Charlotte Stamper, Bioresources Business Analyst, GENeco Devin Walker, CTO, Renovare</p>
12:35 – 13:05	<p>CIWM Industry update</p> <ul style="list-style-type: none"> Overview of industry development 2016-17 British expertise in RWM for export Looking beyond Europe where are the opportunities The role EfW can play within the waste hierarchy and is a more balanced approach needed? 	13:25 – 13:55	<p>CASE STUDY: Successful co-location – tapping into C&I waste</p> <p>Co-locating small scale EfW plants on commercial or industrial sites offers efficiency savings for both inputs and outputs while delivering on corporate zero to landfill targets. How can the EfW sector identify and make best use of the opportunity for mutually beneficial developments?</p>	12:50 – 13:35	<p>PANEL: There is such a thing as bad publicity! The importance of positive PR for EfW</p> <p>EfW as an industry has suffered from poor public and political perception which can cause costly delays to the planning and permitting process, dampen investor interest, and influence government agenda-setting. In this session our</p>

	<ul style="list-style-type: none"> CIWM and DIT support <p>Chris Murphy, Deputy Chief Executive, Chartered Institution of Wastes Management (CIWM)</p> <p>Deborah Sacks, Waste and Resources Specialist, Department for International Trade</p>		<p>Ben Ratliff, Head of Innovation & Transition Manager, DHL Global Specialist Services</p>		<p>experts will discuss how we can address this, including:</p> <ul style="list-style-type: none"> Sharing best practise for effective local community engagement, education and outreach programmes Examples of successful communication strategies Using sensitive plant design and maximising efficiency to improve sites' environmental credentials Should circular economy be more tolerant of waste to energy solutions, given their role to play within the waste hierarchy? <p>Dr Gev Eduljee, External Affairs Director, Suez Recycling and Recovery UK</p> <p>John Twitchen, Head of Cities and Communities, PCSG</p> <p>Julie Fourcade, Head of External Affairs, FCC Environment</p> <p>Clr Bill Chapple OBE, cabinet member for planning and environment, Buckinghamshire county council</p>
<p>13:20 - 13:50</p>	<p>The REnescence Project: Waste as a bioresource</p> <p>In this session DONG Energy present their ground-breaking enzyme based technology that enables handling of unsorted household waste without prior treatment. Topics to be discussed include:</p> <ul style="list-style-type: none"> Generating value from waste through outputs of biogas and recyclables. Learnings from upscaling the successful pilot project in Copenhagen to a commercial waste to energy plant in Northwich 	<p>14:10 - 14:55</p>	<p>PANEL: Towards a post-subsidy era? The changing landscape of government incentives - from CfD to ROCs</p> <p>With the government's forthcoming industrial strategy suggesting a drive towards market competitiveness, what does the current incentive landscape look like as we move towards a post-subsidy EfW era?</p> <ul style="list-style-type: none"> How to qualify for renewables obligation certification (ROC) before March 2018 deadline? How to maximise revenues from renewable heat incentives and feed in tariffs? What are the criteria for renewable transport fuel certificates? 	<p>13:50 - 14:20</p>	<p>Delivering operational efficiency with gasification technologies on a commercial scale</p> <p>In the past gasification and pyrolysis technologies have experienced problems in scaling up from pilot project</p> <ul style="list-style-type: none"> Can gasification prove commercial viability? How are these technologies improving in terms of performance and efficiency? <p>Dr Stephen Wise, Associate Director, Amec Foster Wheeler</p>

	Alister Veitch , Head of Sales (UK), DONG Energy		<ul style="list-style-type: none"> What will Contracts for Difference look like going forward? Who were the winners and losers in this year's auction? <p>Ruth Herbert, Director of Strategy and External Relations, Low Carbon Contracts Company Chris Holmes, Head of Waste and Bioenergy, Green Investment Bank Martin Williams, Senior Consultant, Ricardo Energy and Environment Thom Koller, Policy Manager, Anaerobic Digestion and Bioresources Association</p>	
14:05 – 14:50	<p>Sparking interest – the next generation of gasification and pyrolysis technologies</p> <p>As the industry moves away from long term contracts and large scale projects - what new advanced thermal treatment technologies are available to suit a modular and decentralised approach to EfW?</p> <p>Dr. Carlos Ludlow-Palafox, CEO, Enval Mark Sommerfeld, Policy Analyst, Renewable Energy Association Paul Winstanley, Project Manager, Energy Technologies Institute Mark Harradine, Technical Director, Syngas products Group</p>	15:10 – 15:50	<p>Q&A: Understanding investor drivers</p> <p>This unique session gives you a chance to ask the investors:</p> <ul style="list-style-type: none"> What are investor priorities and perceived risks in the industry? How can projects best attract private investment? How has Brexit and the uncertain policy climate impacted on investor decision-making? What are investors looking for in a pitch? <p>Chris Holmes, Head of Waste and Bioenergy, Green Investment Bank James Samworth, Partner, Foresight Group Anna Laleman, Director, Alpha Financials Environmental</p>	
15:05 – 16:00	<p>Harnessing food waste awareness to fuel growth in the UK anaerobic digestion industry</p> <p>The UK produced a staggering 7.3 million tonnes of household food waste in 2015, with public awareness of food waste growing there are increasing opportunities to utilise household and commercial food waste as an AD feedstock.</p>	16:10 – 17:30	<p>Drinks Reception hosted by Foresight Group</p> <p>By invitation only</p>	

<ul style="list-style-type: none">• What is the impact of sustainability criteria introduced May 2017?• Could tech advances allow for AD of food waste from unsorted waste streams?• What are local authorities' requirements for AD proposals? <p>Sandra Sassow, CEO, SEaB Energy Alister Veitch, Head of Sales (UK), DONG Energy</p>		
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