**Waste 2017 Abstract Submission**

**W2E with an existing power station**

*My presentation is relevant to the following topic area(s).*

🞎 Circular economy 🞎 Overseas experiences

🞎 Collection (inc MUD’s, transient population areas) 🞎 Problem/Hazardous waste (inc asbestos, clinical &

🞎 Container Deposit Schemes medical, ocean plastics, paint, tyres etc)

🞎 Economics (inc business cases, data gathering, 🞎 Product Stewardship

monitoring performance) 🞎 Regional issues

🞎 Education (inc community engagement) 🞎 Recycling (inc CRC’s, collection)

🞎 E-Waste 🞎 Regulations and levies

🞎 Grants (outcomes and processes) 🞎 Social enterprise

🞎 Infrastructure (inc major waste grants, EfW, organics) 🞎 State based issues (eg. Fit for the Future NSW)

🞎 Innovative projects (case studies preferred) 🞎 Technology

🞎 Landfill (inc operations, regulations) 🞎 Tenders and contracts

🞎 Litter and/or illegal dumping (inc litter initiatives) 🞎 Other 🞎 Organics (inc collection, processing)

**Presenter information**

**Presenter name:** Garth Lamb

**Presenter position:** Business Development Manager

**Presenter organisation:** Re.Group

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**Biography**

Garth is the business development manager for Re.Group, an Australian company focused on providing high quality solutions for recycling and recovery of resources from waste. Garth has worked in the Australian waste and resource recovery industry for more than a decade. Prior to joining Re.Group, he was the national business leader for Hyder Consulting’s waste team, and before that a journalist and the long-time editor of Inside Waste magazine. He has post graduate qualifications across environmental science, journalism and finance, and is passionate about developing resource recovery systems that balance the needs of people, the planet and profits.

**Abstract Summary**

The Mt Piper Energy Recovery Project is a joint initiative of Australian recycling and resource recovery company Re.Group, and one of Australia’s leading energy retailers, EnergyAustralia. The project will involve developing a new, purpose built RDF burner at the existing Mt Piper power station at Lithgow in NSW.

The proposed $60 million project would require approximately 100,000t/a of RDF, and have capacity to generate around 13 megawatts of cleaner base-load energy, enough to power around 22,000 average Australian homes. Mt Piper is already one of the most reliable and efficient plants of its kind in NSW, and this Australian-first project will help deliver better environmental performance, by generating more electricity while using the same amount of coal.

The detailed feasibility study, design work and planning applications are well underway. A decision whether to proceed with the project will be taken in 2018, with first power scheduled for 2019.

**Abstract**