**Waste 2017 Abstract Submission**

Factors in choosing a Waste to Energy Technology

*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

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

🞎 Innovative projects (case studies preferred) X 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:**  Barry Sullivan

**Presenter position:**  Business Development Manager - Renewables

**Presenter organisation:**  Downer Utilities Australia

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**Biography**

Barry Sullivan has held Senior, Executive roles in Telecommunications, Aerospace and Waste Conversion Technology Companies for the past three decades.

Since moving from Canada to Australia Barry has been focused on understanding the Australian market and how various Waste to Energy Technologies best fit into the Australian Waste Management Hierarchy. Barry was responsible for the analysis and final choice of the Waste to Energy Technology chosen by Downer Utilities for the Australia and New Zealand markets.

**Abstract Summary**

Factors in choosing a Waste to Energy Technology

Choosing a Waste to Energy technology requires and understanding not only of the available technologies and what they can accomplish but also of the waste stream available to that technology including waste makeup and volume.

Downer Group analysed the technologies available from other parts of the world and the waste streams available in Australia before selecting a technology to represent in Australia.

I would like to propose a session on the analysis that Downer used to evaluate the various technologies based on available waste streams. A look at the amount of waste required for each of the technologies (size of the required facility), how each of the technologies required a concise or in many cases a changing waste stream and what offtakes could be supplied by the technology.

A look at not only the way a technology handles the organic component but also the overall diversion from landfill using technologies that are built and working in other places.

The suggestion is not to show why we chose a particular technology but the process that we went through. The process that Downer used would be the same process that various councils will have to undertake to choose a technology suitable for their requirements.

**Abstract**

<Insert abstract here>>