

**NEW ENERGY CORPORATION PTY LTD**

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## Fact Sheet

### About New Energy

- New Energy Corporation Pty Ltd (New Energy) was established in Western Australia in 2009.
- It is privately-owned and managed by dedicated business people with more than 20 years experience in the fields of waste management, recycling and technology development.

### The first and only EPA approval of it's kind in 20 years in Australia

- In April 2013, New Energy became the first Australian waste to energy proponent of its kind to be approved by a government environmental protection authority for the Port Hedland project.
- To date, no other waste to energy technology has received this level of environmental approval in Australia.
- We are well-advanced with environmental approvals for the East Rockingham facility and anticipate EPA endorsement by the end

### Best available technology

- New Energy holds the global licence (ex-Americas) for the Entech low-temperature gasification technology, developed in Western Australia over 20 years.
- The Entech low-temperature technology is currently being used in 46 locations in Europe and Asia.
- Gasification technology that delivers emissions standards EU WID 2000/76/EC.
- Classified as Advanced Conversion Technology producing electricity that qualifies for maximum European Renewable Obligation Certificates and Australian Renewable Energy Certificates.
- The technology is modular and scalable, ensuring facilities have the flexibility to adapt to changing waste types and volumes.
- The international market for low-temperature gasification technology is growing. New Energy is receiving an increasing number of approaches from West Africa, South East Asia, Eastern Europe and China. These opportunities provide significant export and manufacturing potential to showcase Australian-developed technology to international markets.

### Community acceptance

- We have specifically located our projects in State Government and Landcorp designated industrial estates to ensure they are positioned away from residential areas.
- Our facilities are designed to blend in with surrounding industrial buildings.



- The community consultation phase for New Energy's proposed East Rockingham project attracted only six public submissions, to which all matters were responded to the satisfaction of the EPA.

### **Strong emphasis on upfront recycling**

- New Energy waste to energy projects endorses the EPA's approach to upfront recycling. Only material that cannot be recycled is used.
- Projects will incorporate technologically-advanced, on-site, front-end Materials Recovery Facilities (MRF) that accepts waste, inspects it, removes recyclables and recovers energy from the remainder.

### **Gasification NOT Incineration**

- New Energy's Entech technology uses two stages: waste is converted into a synthetic gas which is then burned to release the energy. It is highly efficient and environmentally safe.
- This is in contrast with high temperature incineration in which all waste materials are combusted at high temperatures with little or no commitment to recycling.
- Incineration facilities are bigger, highly visible and require significant amounts of feedstock to operate efficiently.

### **Commercially viable base load renewable energy**

- The Port Hedland and East Rockingham projects will be 72MWT thermal waste to energy plants, each generating enough electricity to supply 22,000 homes.
- This electricity will be offered to the market at a price that is competitive against fossil fuel power generation, setting a new standard for sustainable and affordable renewable energy projects in Australia.

### **Facilities to be located on sites secured via Landcorp**

- New Energy sought the guidance of the Department of State Development and Landcorp for the most appropriate locations for its waste to energy facilities.
- The Port Hedland project will be located on a 10ha site at the Landcorp-developed Boodarie Industrial Estate.
- The East Rockingham project will be located on a 10ha site within Landcorp's Rockingham Industry Zone.

### **Development approvals**

- Development approval has been obtained from the Town of Port Hedland to construct the waste to energy facility at Boodarie Industrial Estate
- Development approvals from the City of Rockingham are pending.