

Australian Industry Participation (AIP) plan Summary

– Project Phase

1. Project Details

Designated project proponent: Kwinana WTE Project Co Pty Ltd

Project name: Kwinana Waste to Energy Project

Description of the project: The Kwinana Waste to Energy facility is a co-development between Macquarie Capital and the Dutch Infrastructure Fund. The facility is Australia's first thermal waste to energy facility and is located on Lot 9501, Leath Road, Kwinana Beach, in the Kwinana Industrial Area, about 40 km south of Perth in Western Australia. The project entity is Kwinana WTE Project Co Pty Ltd and is owned 40% by Macquarie Capital and 60% by Dutch Infrastructure Fund.

The Project reached financial close in October 2018. Acciona has been appointed to design and construct the facility, and a 25-year operations and maintenance service agreement has been signed with Veolia. Veolia currently operates more than 60 waste-to-energy facilities around the world. Construction has commenced on site and the facility is scheduled to open by the end of 2021.

Macquarie Capital and Dutch Infrastructure Fund (DIF) has provided \$A275 million of equity finance, and Macquarie Capital is responsible for delivery of the facility. A group of financial institutions and the Clean Energy Finance Corporation (CEFC) have provided \$A400 million debt finance for the facility. The CEFC has committed up to \$90 million. The Australian Government's Renewable Energy Agency, ARENA, has provided a grant of \$A23 million.

The facility will use moving grate technology to process approximately 400,000 tonnes of municipal solid waste, commercial and industrial waste and/or pre-sorted construction and demolition waste per annum to produce approximately 36MW of baseload power for export to the grid sufficient to power more than 50,000 households.

The facility will use Keppel Seghers moving grate technology, which thermally treats the waste and converts the recovered energy into steam to produce electricity. Metallic materials will be recovered and recycled, while other by-products will be reused as construction materials.

The facility is an important and significant renewable energy project for Western Australia and Australia. It will be the first thermal utility scale Waste to Energy facility constructed in the nation, diverting approximately 25 per cent of Perth's post-recycling rubbish from landfill sites.

The project is supported by 20-year waste supply agreements with Rivers Regional Council, which represents seven Local Government Authorities, and the City of Kwinana. The project also has a five-year waste supply agreement with Veolia.

The Western Australia Local Government Association (WALGA) has appointed the Kwinana Waste to Energy facility as a preferred supplier of baseload renewable energy, representing a reliable source of baseload power to WALGA members.

Estimated project value: > \$500 Million

Project location: Lot 9501 Leath Road, Kwinana Beach, Kwinana, WA, 6167

Link to project information: Refer to the ICN Gateway website:
<https://gateway.icn.org.au/project/4220/kwinana-waste-to-energy-project>.

Project contact for procurement information: Christopher Pratt, chris.pratt@acciona.com

Other project proponents involved in the project: Acciona Construction Australia Pty Ltd and Acciona Industrial Australia Pty Ltd and John Beever (Aust) Pty Ltd

2. Opportunities to supply Goods and Services

Expected opportunities	Opportunities for Australian entities	Opportunities for non-Australian entities
Goods		
Construction Materials - Non-process critical	Yes	Yes
Construction Materials - Process Critical/Specialist materials	Yes	Yes
WtE Process Critical & Specialist Plant and Equipment	Yes	Yes
Other Process Plant & Equipment	Yes	Yes
Services		
Subcontractor Services - Engineering Design (incl AUS/NZ Standards Compliance)	Yes	Yes
Subcontractor Services - Construction & Project Management, SMP, E&I, Civil etc	Yes	Yes
Building Services Supply & Installation	Yes	No
Owner's Engineering Services During Construction & Commissioning	Yes	Yes
Grid Connection Works	Yes	No

Disclaimer: The information provided in the table above is based on an initial assessment by the company. Any questions or issues should be raised with the project contact.

Explanation for item(s) in list above where it is indicated 'No Opportunities for Australian entities'

N/A

3. Standards to be used in the project

The Project will use Australian and applicable international standards.

4. AIP activities to be undertaken by the Project Proponent

The Project Proponent will:

- develop and maintain a Project website (www.avertas.com.au) to provide background on the Project. Prospective suppliers will be provided information regarding how to register, pre-qualify and/or contact the EPC Contractor or EPC subcontractor to inquire about opportunities for the supply of goods and services;

- issue media releases from time to time; and
- participate in industry events in Western Australia.

5. AIP activities to be undertaken by procurement entities

The procurement entity will ensure record keeping across the Project and promote opportunities at community meetings and industry networks.

Throughout the procurement process Acciona will continue to follow up with the suppliers they work with, to provide updates and feedback on how to be considered in future domestic projects / supply chains and (to the extent possible) how SME contractor / supplier(s) can build their capacity to supply future packages to industry.