

Australian Industry Participation (AIP) plan Summary - Operations Phase

1. Facility Details

Designated operator: Veolia Environmental Services (Australia) Pty Ltd

Facility name: Kwinana Waste to Energy Project

Description of the facility: 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.

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

Link to facility information: www.avertas.com.au

Operator contact for procurement information: Toby Terlet, toby.terlet@veolia.com

Other operators involved in the facility: N/A

2. Opportunities to supply Goods and Services

Expected opportunities	Opportunities for Australian entities*	Opportunities for non-Australian entities
Goods		
General Health & Safety Consumables	Yes	No
Chemicals such as Lime & Activated Carbon	Yes	No
Services		
Medical examinations / drug and alcohol testing	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 facility 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 facility

The O&M provider is committed to the highest level of Occupational Health and Safety (OHS) and Environmental practices within all workplaces. The strong and continuous commitment to both safety and the environment will be evidenced in its triple national certification (set out below) which it commits to achieve on the Kwinana Waste to Energy facility:

- AS/NZS ISO 9001:2008 (Quality Management System),
- AS/NZS 4801:2002 (OHS Management Systems), and
- AS/NZS ISO 14001:2004 (Environmental Management Systems).

The Facility will be operated in accordance with Australian and Western Australian standards and, as an example, potential suppliers will need to comply with pressure equipment standards (AS 1200 series and 3800 series for inspections and qualifications of welders), Continuous Emissions Management System (WA CEMS guidelines) and electrical installations (AS 3000 series).

4. AIP activities to be undertaken by the Operator

Veolia will:

- ensure record keeping across the Project;
- promote opportunities at community meetings and industry networks; and
- inform major subcontractors of AIP plan requirements early in the tender process to give said subcontractors an opportunity to engage with Australian entities.

Veolia will ensure that its procurement process provides full, fair and reasonable opportunity to all Australian suppliers. Veolia works closely with the local Kwinana community and hope that local suppliers engage with the project to tender for future project opportunities.

All opportunities (that are the subject of a tender or competitive bid) will be posted on the Avertas and / or Veolia website.

Throughout the procurement process Veolia 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
- Providing assistance by way of feedback to SME contractor / supplier(s) to build their capacity to supply future packages to industry.

5. AIP activities to be undertaken by procurement entities

N/A