

# EARTHPOWER

## ADVANCED FOOD WASTE-TO-ENERGY

Veolia's EarthPower facility is a pioneering food waste-to-energy solution, designed to transform solid and liquid food waste into green electricity and soil conditioner. The facility's recently upgraded technology delivers an industry-leading, sustainable approach to organic waste management for municipal, commercial, and industrial customers.

### FEATURES & BENEFITS

- **Renewable energy generation:** The facility is self-sufficient, using its own electricity and gas production to power itself, with the excess energy supplied to the local grid.
- **Advanced circular economy solutions:** EarthPower's technology creates new value by converting food waste into renewable energy and nutrient-rich soil improvement products.
- **Sustainable alternative to landfills:** By capturing and harnessing biogas, EarthPower offers a sustainable alternative to landfilling for organic food waste, with a lowered greenhouse gas footprint.
- **Cost-effective waste management:** EarthPower offers competitive gate fees compared to traditional landfilling and alternative food waste recovery services.

### INDUSTRIES WE SERVE



**Food  
manufacturing  
and processing**



**Wholesale  
and retail food  
distributions**



**Commercial  
and retail  
property**



**Local  
councils**



**Waste  
management  
services**



**Commercial  
kitchens**



 **VEOLIA**

## THE FACILITY & TECHNOLOGY

EarthPower harnesses advanced anaerobic digestion technology to turn food waste into a natural biogas, which is captured and converted into renewable energy through onsite generators. The residual organic material is processed into a nutrient-rich soil improver, suitable for agriculture and landscaping applications.

Producing enough electricity to power its own operations while also feeding into the local grid, EarthPower is capable of powering over 4,000 homes, contributing to Australia's transition to sustainable energy.

## THE FACILITY PROCESSES FIVE DISTINCT WASTE STREAMS:



**Solid organic waste**  
( $< 5\%$  inorganic rate)



**Selected packaged waste**



**Spadeable sludge**



**Organic liquid waste**



**Grease trap waste**

### ✓ ACCEPTED WASTE

- Bulk Packaged Food Waste
- Fruit & vegetables
- Butchered meat & fish (including table scrap, bones)
- Delicatessen
- Grocery
- Dairy
- Confectionery
- Perishables & small goods
- Liquid food waste
- Grease trap
- Bakery

### ✗ NOT ACCEPTED

- Plastics or polystyrene
- Mixed recycling (glass, metal, cardboard, etc.)
- Cleaning products
- Hazardous materials
- Clothing or fabrics
- General waste
- Large butchers' bones (e.g. beef, sheep, pig)
- Egg shells (in bulk)
- Uncooked grain & legumes (e.g. rice, corn, maize, peas, beans)
- Wood or garden prunings
- Animal manure
- Oyster shells
- Whole coffee beans (in bulk)
- Whole meat carcasses (e.g. poultry)
- Molten chocolate (in bulk)

## WE'RE COMMITTED TO SAFETY

always  safe

Safety is our highest priority and all Veolia operations adopt Veolia's AlwaysSafe charter - a behaviour based safety initiative that communicates best practices and a no-compromise approach to safety for our people, customers, community and the planet - promoting responsibility for individual and shared safety.

## GLOBAL KNOWLEDGE. LOCAL EXPERTISE.

Veolia is a leading global environmental services company, present on five continents with nearly 220,000 employees worldwide. The Group designs and deploys useful, practical solutions for the management of water, waste and energy that are contributing to a radical turnaround of the current climate. Through its three complementary activities, Veolia helps to develop access to resources, to preserve available resources, and to renew them.

Veolia whose purpose of Ecological Transformation is to enhance the environment we live in, to ensure humans can continue to thrive. We are here to clean up, to recover, and to provide renewable energy and clean water for our municipal, industrial, and commercial customers.

LEARN MORE



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Visit our website to learn more at [anz.veolia.com/earthpower](https://anz.veolia.com/earthpower)

