

# EARTHPOWER

## AUSTRALIA'S FIRST FOOD WASTE-TO-ENERGY FACILITY



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Veolia's EarthPower facility is a unique food waste-to-energy solution, designed and licensed to accept solid and liquid food biomass from municipal, commercial, and industrial sectors.

EarthPower uses anaerobic digestion technology to convert food waste into a combustible gas, similar in function to natural gas. The digester gas is fed into cogeneration engines to product green electricity, and the solid organic waste byproduct is converted into nutrient-rich soil improver. Through this innovative process, EarthPower recovers energy that would have otherwise been lost while supplying local communities with sustainable waste and electricity solutions.

### FEATURES AND BENEFITS

- **Green energy generation**  
EarthPower's energy use is 100% offset by its own electricity and gas production before distributing the excess energy to the local community.
- **Diversion of organic waste from landfill**  
Providing a more sustainable and emission-reduced alternative for customers looking to improve their carbon footprint.
- **Circular solutions**  
EarthPower creates new value by recovering food waste and converting it into renewable energy and a nutrient-rich soil improvement byproduct.
- **Savings on waste disposal costs**  
Lower gate fees than most food waste competitors.

### INDUSTRIES WE SERVE



**Food  
manufacturing  
and processing**



**Wholesale  
and retail food  
distributions**



**Commercial  
kitchens**



**Commercial  
and retail  
property**



**Local  
councils**



**Waste  
management  
services**



**EarthPower**

## THE FACILITY & TECHNOLOGY

EarthPower's recently upgraded technology offers a state-of-the-art sustainable solution to recovering value from organic waste by using anaerobic digestion to convert food and organic waste into a combustible gas, similar to the function of natural gas. The facility is 100% offset by its own electricity and gas production and distributes the overflow into the local grid, with a capacity to power the equivalent of over 4,000 homes in New South Wales.

The facility is designed to process five specific waste streams and accepts both solid and liquid waste. These organic waste streams include solid organic waste\*, organic liquid waste, grease trap waste, dehydrated ("spadable") sludge and selected packaged waste.

\*With a maximum inorganic contamination rate of less than 5%

### ✓ ACCEPTED WASTE

- Fruit and vegetables
- Meat and fish
- Bakery
- Delicatessen
- Grocery
- Dairy
- Confectionery
- Perishables and smallgoods
- Liquid food waste
- Grease trap waste
- Bulk packaged food waste

### ✗ NOT ACCEPTED

- Plastics or polystyrene
- Wood
- Glass
- Metals
- Cleaning products
- Cardboard
- Hazardous materials
- Clothing or fabrics
- Mixed general waste
- Garden prunnings
- Animal manure
- Oyster shells
- Eggs

## 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.

**EarthPower is located at 35 Grand Avenue, Camellia NSW 2142**

**Contact the team at [earthpower@veolia.com](mailto:earthpower@veolia.com) or via (02) 9684 5832**

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



**EarthPower**