



# Food Waste Disposers and the Environment

## How can disposers help reduce carbon footprints and create renewable energy?

- Disposers divert food waste from landfills, helping to reduce greenhouse gas emissions from decomposing waste and trucks transporting it.
- Food waste can be recycled into renewable energy at capable wastewater treatment plants and fed back into the grid.
- Wastewater treatment plants can process food waste into biosolids for land regeneration.
- Food sitting in kerbside bins continue to release dangerous greenhouse gases. Disposers therefore are an ideal solution to eliminate this, particularly with waste bin collection now becoming fortnightly.
- Disposers use less than 1% of household water consumption and cost less than \$3.50 a year in electricity.
- Food waste has a density of 1 mg/ml. So, if food waste is 70–90% water to begin with, and it has the same density as human waste and water, there should be no concerns about “solids” settling out in sewers and causing blockages and overflows. Properly designed and constructed sewers will transport this material very efficiently to the treatment plant without causing any issues.
- Importantly, the high carbon to nitrogen ratio will help the plants remove nutrients from their effluent, reducing the negative impacts of eutrophication on our streams, rivers and lakes.



**EnviroDevelopment Certified**

**Green Tag Certification Rating  
Pending Approval**



### Food Waste Facts

- In Australia over 5.3 million tonnes of food is wasted each year.
- Around a third of the household bin is wasted food and 1 in 5 shopping bags end up in the bin costing families thousands of dollars every year.
- Methane from decomposing food waste in landfill sites is a known contributor to climate change.
- Estimates suggest each household produces close to 1.5 tonnes of waste per year, most of this ends up in landfill.
- Disposers are designed to complement composting as they eliminate organic matter such as meat bones and dairy not suitable for composting.

For more information, visit  
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