



MOUNT ALEXANDER BIOENERGY

ANAEROBIC DIGESTER

- ➔ Uses anaerobic bacteria to convert liquefied wasted organics (Don's waste, other food, beverage, greasetrap, wet garden organics) into biogas (methane) which will be used by Don the substitute or natural gas.
- ➔ 20% of the feedstock will be sourced from Don Smallgoods
- ➔ Other materials will be transported in accordance with EPA prescribed waste transport regulations, meaning they will be in sealed and odour-containing vehicles.
- ➔ Fully contained/airtight management of liquid inputs.
- ➔ Negative pressure receive hall with capture and treatment of all air from the hall.
- ➔ Organics are being sourced externally to reduce organics to landfill and generate more renewable energy.
- ➔ Greenhouse gas emissions from the transport are minor compared to the benefits e.g. a load of food diverted from Patho landfill would reduce emissions equivalent to a round trip of that load to Broome via Perth.
- ➔ The facility will upgrade Don Smallgoods' wastewater and organic waste systems, reducing odour from existing management facilities.
- ➔ The nutrient-rich sludge (digestate) from the AD tanks will be converted into fertiliser by blending with biochar or being dried and used in the pyrolysis plant.
- ➔ Similar plants are in operation in Victoria and Australia.



FACT SHEET
MAB002 DRAFT
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