

# AUSTRALIAN BIOMASS FOR BIOENERGY ASSESSMENT (ABBA)

## GIPPSLAND REGION PROFILE

**The following region profile has been generated from Victorian biomass data collected as part of the national ABBA project to inform discussions around bioenergy opportunities.**

Data is available via the Australian Renewable Energy Mapping Infrastructure (AREMI) – <https://nationalmap.gov.au/renewables/>

Based on modelled data, an estimated 793,720 tonnes of organic wastes were generated in the Gippsland region in 2014–15, representing 8% of the state's total. A breakdown of this is provided in the Table and Figure below.

The following streams are of particular interest in this region:

- › Straw and chaff production from broadacre crops
- › Dairy manure and effluent from the dairy cattle industry
- › Bark residues from plantation forests and woodchip and sawdust and shavings generation from sawmills
- › Poultry litter from chicken farming and layer and pullets
- › Paper and cardboard and organics (food, garden and timber) from other Commercial and Industrial sectors

For each residue, total waste generation has been modelled. Generally, this has involved considering a baseline production figure and applying a residue figure to this. The baseline production figures were derived from ABS data for primary production and from a combination of National Pollutant Inventory (NPI) data on businesses, raw survey data and desktop research for other sectors. In deciding whether to model a residue or not, the type and its validity in the context of bioenergy applications and its current use was assessed.



Figure: Gippsland estimated approximate biomass composition\*

\* For details please see overleaf

Table: Gippsland Biomass Assessment Summary

Sector	Stream	Tonnes generated per annum
Agricultural	Straw/chaff	80,888
	Grape marc	17
	Cull fruit and vegetable	2,172
	Dairy manure/effluent	124,703
	Cattle manure	17,043
	Poultry litter	11,576
	Pig manure/effluent	476
	Almond Hull and Shells	-
Commercial and Industrial - other	Paper & Cardboard	48,049
	Organics	42,171
Commercial and Industrial - manufacturing	Effluent	-
	Paunch	-
	Blood	-
	Wastewater	757
	Processing solid waste	-
Forestry - Sawmills	Woodchips	146,067
	Bark	23,221
	Sawdust and Shavings	85,495
Forestry - Plantations	Stump	25,493
	Branch	67,265
	Bark	111,663
Municipal Solid Waste	Organics	49
	Paper & Cardboard	456
	Biosolids	-
Construction and Demolition	Food Organics	6
	Garden Organics	1,324
	Timber	4,828
<b>Total Generated</b>		<b>793,720</b>

For MSW fraction, only the quantities that are landfilled as reported in the Victorian Local Government Annual Survey (2014-15) are included.

## Further Information

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