

COGENERATION



Wilmar is Australia's leading producer of renewable energy from biomass.

Our eight Queensland sugar mills operate on renewable electricity generated onsite by using bagasse, a by-product of sugar production. In fact, we generate enough electricity to export large amounts into the Queensland grid and power more than 80,000 homes a year.

But we are not finished – we are looking for opportunities to increase production of renewable energy by driving even more efficient use of biomass.



CLEAN, SUSTAINABLE ENERGY

- In 2017 we contributed 13% of Queensland's renewable energy generation and about 2% of Australia's largescale renewable energy target
- Our eight mills have a total generation capacity of 199 megawatts, producing 600,000 megawatt hours a year
- Two of the five largest biomass generators in Australia are Wilmar mills



- We burn bagasse to produce steam for both the sugar making process and to drive turbines that generate electricity



- We export over 350,000 megawatt hours into the power grid each year, enough to supply more than 80,000 Australian homes

NATURE'S BATTERY

- Bagasse is nature's battery for stored energy
- Each year we convert the energy in over 5 million tonnes of bagasse into renewable energy
- The stored energy in bagasse means we can generate and dispatch electricity 24/7 throughout the year



- One truck load of bagasse stores energy to power two Queensland homes for more than a year



- The energy stored in one stockpile of bagasse at a mill can power 2,000 homes for a year – that's more electrical energy than 90 of South Australia's giant Lithium batteries

AUSTRALIA'S LARGEST BIOMASS-ONLY GENERATOR

- Our Pioneer Mill near Ayr is Australia's largest generator running only on biomass
- Pioneer's generation capacity is 68 megawatts
- It can operate year-round, day and night



- Pioneer produces approximately 51% of Wilmar's total export portfolio



- Wilmar could install another two generating facilities of the same scale as Pioneer

ABOUT WILMAR

Wilmar Sugar Australia is the nation's largest sugar producer and a major provider of renewable electricity and BioEthanol. Our joint ventures, Sugar Australia and New Zealand Sugar, market a range of sugar and sweetener products under the familiar brands CSR, Chelsea and Equal. We use our unique expertise and resources to support local communities, enhance grower productivity and encourage innovation to pave the way for a safe, sustainable sugar industry we can all be proud of.