SUGARCANE stalks (billets) are crushed at the sugar mill to release sweet juice and bagasse (cane fibre)

56% powers sugar mill operations

Bagasse is used as the main fuel to produce heat and steam in mill boilers

>1 million megawatt hours (MWh) co-generated (combined heat and power) electricity per year

Bagasse is a highly efficient, renewable, biomass fuel. It burns at high temperatures between 400-800°C and can be stored for use all year round

Sugar mills use a heat recovery system coupled to a generator to cogenerate electricity in a highly efficient, renewable process

44% is exported to the national grid, powering the equivalent of 135,000 households

Cogeneration Facts

- 27% Queensland's and 2% Australia's renewable energy generated by sugar mills
- 429 megawatts (MW) installed capacity fuelled by bagasse
- Over 1 million megawatt hours/year co-generated electricity
- 1.5 million tonnes greenhouse gas (carbon dioxide equivalent) saved each year = 320k cars off the road
- >$500 million industry investment to increase capacity since 2012