

BIOENERGY



MELBOURNE WATER'S EASTERN TREATMENT PLANT (ETP) CARRUM DOWNS



Capacity: 9.1MWe (electricity), 4.1MWth (thermal)



Technology: Biogas fuelled reciprocating engines, generators, heat recovery and absorption chiller



Fuel Source: Sewage biogas



Commissioned: Completely refurbished 2008



BENEFITS

- ETP's on site power station produces more than 40% of the plant's annual electricity needs
- On average ETP generates over 37,000 MWh of electricity per year. No electricity export to grid occurs
- Reduced reliance on imported electricity reduces emissions equivalent to more than 45,000 tonnes of CO₂/year



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