

Project Profile

Happy Valley Landfill Power Station



Client	Capacity	Location	Operational
Todd Energy	1 MWe	Wellington, New Zealand	March 2008

Manufacturer	Packager	Type	Primary fuel
GE Jenbacher	Clarke Energy (Aust) Pty Ltd	1 x 1063 KWe JGC 320 GS-L.L	Landfill gas

Scope Of Work

Clarke Energy supplied, installed, commissioned and fully tested the GE Jenbacher unit at Todd Energy's Happy Valley site in Wellington, New Zealand in March 2008. Clarke Energy has also been contracted to undertake the scheduled maintenance of the unit under a maintenance contract.

Generation Capacity

1.063 MWe provided by the GE Jenbacher gas engines, maintained by Clarke Energy's superb Service Department.

Principal Equipment

GE Jenbacher JGC 320 GS-L.L containerised generating sets rated at 1,063 kWe, 50Hz

General Description

The GE Jenbacher generators run on landfill gas with each generator connected, via an integrated 415V circuit breaker to operate in parallel with the grid. Electricity is exported to the grid via the transformers. The station provides export power for the local communities while reducing the sites green house gas emissions.



Authorised Distributor
GE Energy