



MEDIA RELEASE

South East Water's Mount Martha Water Recycling Plant (WRP) located in Melbourne is expected to reduce 40 per cent of their on-site power demand with the installation of a German engineered 2G cogeneration engine.

Supplied by Evo Energy Technologies, the custom-built 2G combined heat and power engine is the first of its kind within the South East Water network. The 2G cogeneration engine is a key tool in South East Water's strategy to minimise carbon emissions and meet their Emissions Reduction Pledge by 2025.

The cogeneration engine will help South East Water meet roughly 40 per cent of the electricity demand at their Mount Martha WRP, requiring less coal-produced power from the electricity grid, and help the environment by minimising carbon emissions.

The Mount Martha Water Recycling Plant has two anaerobic digesters that operate a biological process whereby organic matter is converted to produce biogas (predominantly methane). The 2G cogeneration engine will use all the biogas (as well as natural gas) to not only produce heat for the treatment process, but also electricity that can be used elsewhere in the treatment plant.

The 2G Cogeneration engine being installed at the Mount Martha WRP is a 2G 360kW Agenitor 408 Cogeneration unit in a 9.0m x 3.0m x 3.2m Super Silent (45dBa at 10m) Highline Container module, with two tank Activated Carbon biogas scrubbing systems for removal of H₂S and siloxanes and a H₂S Gas Dehumidification System.

Evo Energy Technologies is the Australian distributor of German engineered, 2G Cogeneration systems who is amongst the world's leading manufacturers of cogeneration systems for decentralized energy production and produces the best of cutting-edge German engineering and innovation.

SUPPORTING PHOTOS



CONTACT



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