

Fast Facts:

Locations:

- Waterloo - avus 500c (600kWe)
- Galt - avus 500c (600kWe)
- Kitchener - avus 800c (800kWe)

Fuel Type: Biogas

Configuration: Container Modules



About the Sites

2G Energy has installed three CHP systems throughout the region of Waterloo including, Waterloo, Galt, and Kitchener, with a combined amount of power at 2,000kWe. These units are providing supplementary electricity to power the plants at lower costs than local electrical utilities, as well as reducing their reliance on those conventional supply systems. The emissions produced by the engines are collected and recycled to preheat the digester systems, which must be heated to 35 Celsius to maintain overall effectiveness. Also, by utilizing this heat, the facilities can be heated as required (mainly in the winter months).

Combined, the three biogas cogeneration facilities will produce about 12,000 megawatt-hours of electricity every year, which is the amount of electricity used by 1,200 houses per year.

They will also reduce the Region's greenhouse gas emissions by about 550 tons of carbon dioxide each year, equivalent to taking around 115 cars off the road.

