

EDINA 6MWE CHP POWERS ONE OF EUROPE'S LARGEST SEWAGE TREATMENT WORKS AT BECKTON



CASE STUDY BECKTON SEWAGE TREATMENT WORKS

The development of renewable energy schemes at Beckton Sewage Treatment Works (STW) included an anaerobic digestion plant aimed at increasing the capacity to treat sewage during heavy rainfall and the growth in London's population capacity by 400,000 to almost 4 million people.

The biogas produced is used in Edina's 6MWe combined heat and power (CHP) plant to generate electricity and heat used onsite, with surplus electricity sold to the electricity grid for income generation.

When combined with the adjacent Crossness STW installation, the 12MWe CHP plants will produce enough electricity to power 24,000 homes.

The engine jacket water heat will be used for digester heating with the exhaust fed to waste heat boilers for steam production to assist the advanced digestion process.

Discover the full story at:
www.edina.eu/beckton-sewage-treatment-works