

## Visit to KENT ENVIROPOWER – 8<sup>th</sup> November 2017

27 members of the How Things Work group visited Kent Enviropower at Allington, Maidstone. We received a warm welcome from the tour guide along with tea/coffee before we sat down for an interesting talk and slide show outlining the history and operation of the facility.

After a safety briefing we were split into 2 groups and kitted up with personal protective equipment and the taken on a guided tour of the whole facility.



Kent Enviropower



Ready for the tour



Climbing to the top level

The site was formerly a quarry at Allington near Maidstone and has a nature conversation area within its boundaries. As part of the planning application, Kent Enviropower donated 67 acres of land, which surround the site, to the local council to be maintained as the nature conservation area.

At the facility materials separated by householders are sorted and sent for recycling with the remainder being used to generate electricity, it generates up to 43MW of power, 34MW of which goes into the local electricity supply network to reduce reliance on fossil fuels. Any surplus power generated goes back into the system to assist in powering the facility. The Energy from Waste plant uses circulating fluidised bed technology to burn the waste, which then generates usable energy.



Waste arriving



Control Room

After the tour we were offered information literature to take away.