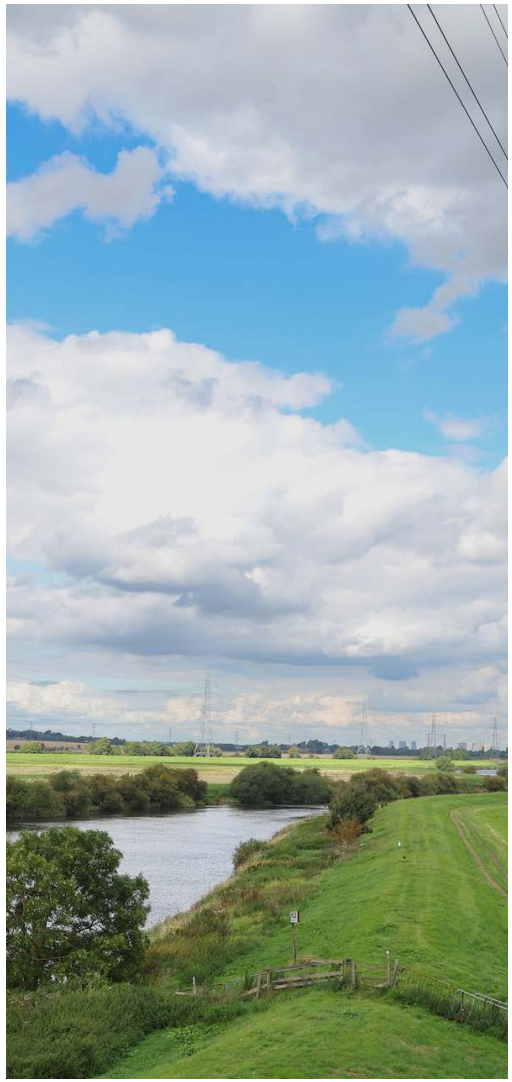

one earth
solar farm

Hydrology and Flood Risk

Background and survey work

We will be considering the potential for flood risk from the River Trent, as well as other watercourses nearby, such as Fledborough Beck which flows west to east into the River Trent to the north of High Marnham Power Station.

Results so far

We have received flood data from the Environment Agency which shows areas of the central and eastern half of the site are at a 'High Risk' of flooding.

The data also shows that surface water flood risk ranges from 'High' to 'Very Low' across the site. The areas with the highest probability of surface water flooding are associated with the tributaries of The River Trent and lower lying areas where ponds may occur during and after rainfall.

Next steps

Flood risk will inform the project design, in particular the height and layout of the solar panels. We will be engaging with the Environment Agency, the local flood authority, relevant internal drainage boards and Anglian Water to discuss our proposals.

Land Use

FACTSHEET

Background and survey work

The majority of the land at the site is currently under arable cultivation. The Agricultural Land Classification (ALC) maps for the area, as produced by Natural England, indicate much of the project area consists of Grade 3 (good to moderate agricultural land), with smaller areas of Grade 2 (very good) and Grade 4 (poor). These plans do not differentiate between grades 3a and 3b, so we are carrying out detailed survey work.

Results so far

We have started site-specific soil testing to provide information on the soil types and agricultural classification of the land.

Next steps

We will use this survey data to inform our design and to inform how soils will be managed during the construction phase.