

Solar and wind farm on North Luffenham airfield.

3 runways.

Main runway 1.830km long x 45m is orientated East – West 20 degrees off

Total area = 82,350 meters square

Second runway 1.281km long x 45m is orientated North - South

Total area = 57,645 meters square

Third runway 1.281m long x 45m is orientated South East – North West

Total area = 54,645 meters square

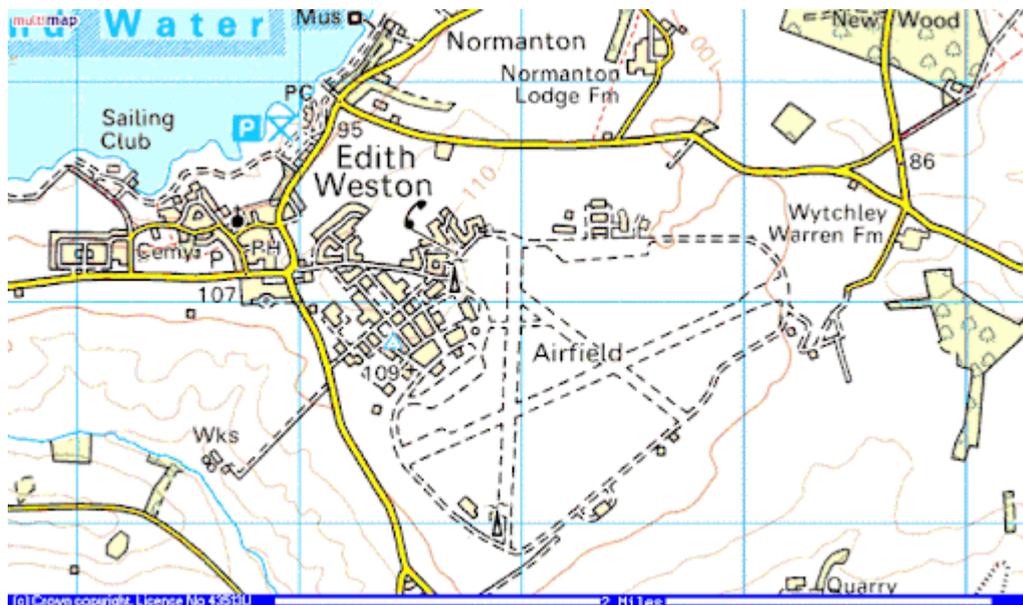
Total area = 197,640 meters square

52,704 solar panels can be fitted

1.12mega watt of power could have been produced in the month of September 21.

2.00mega watt of power could have been produced in the month of April 21.

This is based on a domestic output not a commercial system.



Wind power by 3 Vestas 2MW wind turbines positioned on North East side of airfield on the old dispersal points.



2MW_Platform_Brochure.pdf

<https://www.vestas.com/en/products/2-mw-platform#!2-mw-video>

39,927 (2019) **residents in Rutland**

16,947 properties (2016)

What's the energy price in Rutland?

Rutland inhabitants pay an **average of £1,650.00 for their energy a year.**

How much do we consume on average in Rutland?

Based on government data we can estimate that the average Rutland inhabitant household consumes 11,000.0 kWh a year this figure combines Gas and Electricity.

Electrical consumption is roughly 6,500kWh

If we take the average kWh consumption and times it by the number of households

$16,947 \times 6,500 = 110.5\text{MWh}$ of energy used per year.

3 wind turbines will produce 6MWh + solar 18MWh = 24MWh

Your energy usage is calculated from your gas consumption using a standard industry formula:

Units Consumed (Cubic Metres)

× Volume Correction (for temperature & pressure)

× Calorific Value (energy in each m³ of gas)

÷ 3.6 (convert from joules)

» Usage (in kWh)

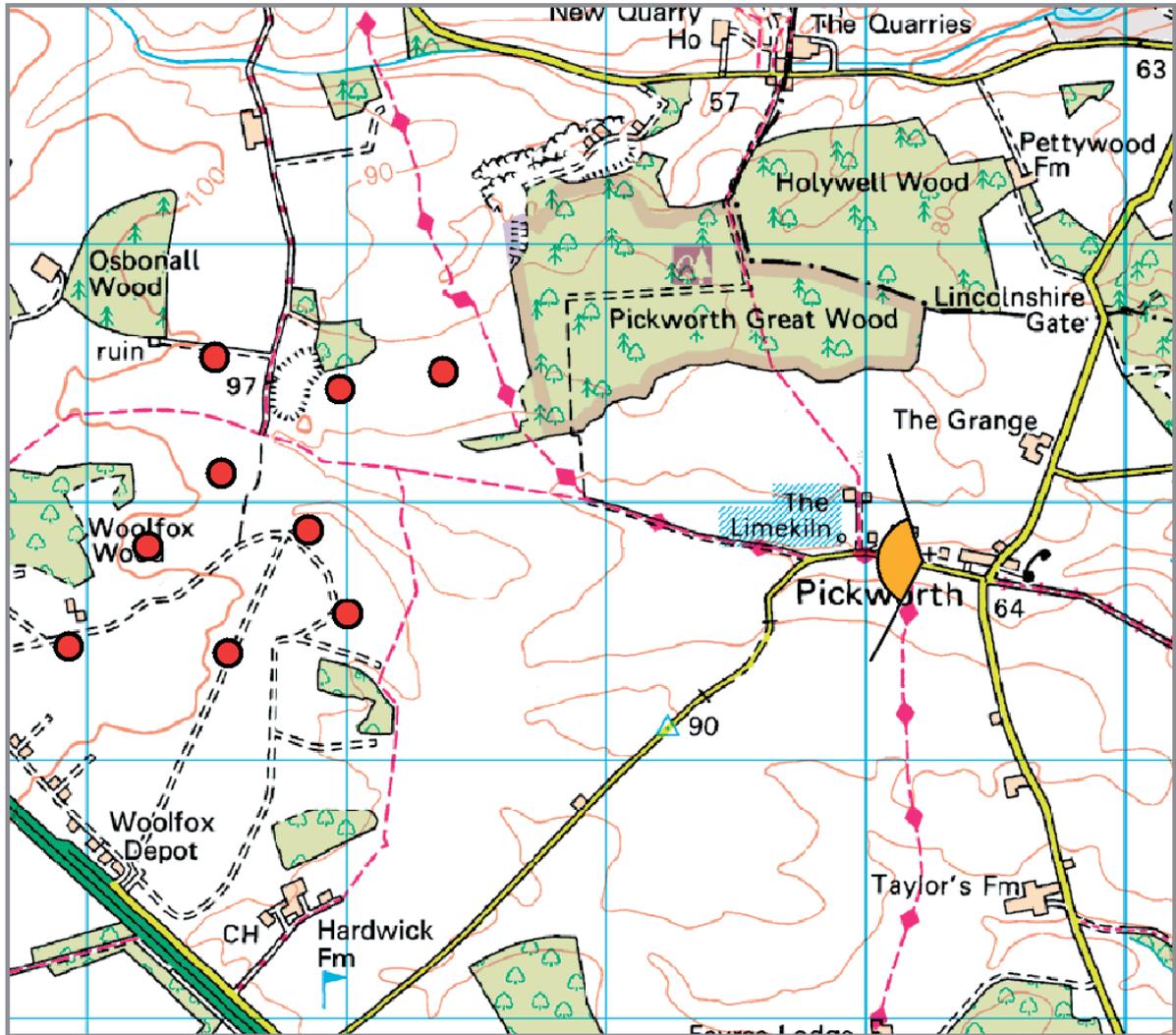
In 2014 a project was put forward to place 9 wind turbines and a solar farm at Woolfox, but this was denied by the secretary of state in 2016 the initial planning application cost £44,000



Schedule of Pre-App
Charges - 2021-2022



2014-1003-MAJ.zip



Ecotricity built a 9-wind turbine site seven years ago in Dalby, Leicestershire and is adding a 12MW solar park to it.

2017 North Luffenham village survey

p.14 Provision of renewable energy for the village using wind turbines and solar energy.