



USKMOUTH POWER STATION

THE USKMOUTH CONVERSION PROJECT

The UK's largest waste-to-energy project

WHAT?



Each year Uskmouth power station will generate enough electricity to power almost 500,000 UK homes from a fuel pellet derived from 880,000 tonnes of non-recyclable waste otherwise destined for landfill

HOW?

Uskmouth Power Station, previously a coal fired power station, will be converted to generate electricity using sustainable fuel pellets



Reusing existing power station infrastructure destined for decommissioning



WHY?

Replace coal



Reduce plastic going to landfill



Create sustainable jobs for the dying coal industry



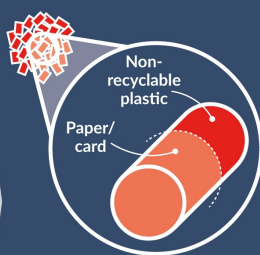
Reuse existing power station infrastructure



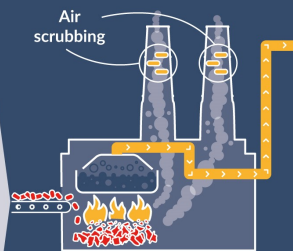
FROM WASTE TO AFFORDABLE ELECTRICITY



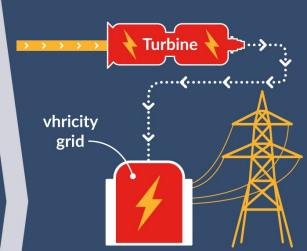
1 Non recyclable waste is gathered, sorted then sent into a pelleting facility



2 A sustainable fuel pellet is produced which contains 50% high energy, non-recyclable plastic and 50% biogenic material like paper and cardboard



3 Pellets are fed into the mills of Uskmouth Power Station where, as a substitute for coal, they are pulverised then combusted. Emissions are controlled and monitored



4 The electricity generated by the steam turbines of the Uskmouth Power Station is then fed into the national grid

AVOIDED LANDFILL

The waste we will convert into electricity over the life of the Uskmouth Conversion Project would require a landfill the size of London to a depth of

73
metres or ...



... would fill more than

46,000

Olympic swimming pools



PLASTIC WASTE

3.7m

tonnes of plastic bought every year in the UK. Much of this plastic is packaging

77.2%
is destined for landfill



22.8%
or just
842,000
tonnes
is recycled