

This story is from the front page of First News. Read the story, and then try the puzzle. To help you, we have underlined the answers to the crossword puzzle clues in the story – but you will need to match the correct word with each clue!



FRONT PAGE NEWS



TRAINS powered by human poo and food waste could be coming to a platform near you soon...

by editor in chief Nicky Cox

The BioUltra train is being developed to replace dirty diesel engines, to help cut air pollution and greenhouse gases. Diesel trains are set to be banned by the Government from 2040, so more green technologies are needed.

Beverley Nielsen, Chair of Ultra Light Rail Partners, the developers of the BioUltra train, told First News: "I'm really aware of how little time we have to tackle climate change and want to help make a real difference."

The challenge Councillor Nielsen and her team of experts faced was how to find a way to power trains that wouldn't take too much energy to produce and wouldn't pollute the world through carbon dioxide and other harmful emissions.

Clr Nielsen explained: "Biomethane is very good as a

solution. It's produced from organic waste – animal, human, crop, food – and by using it we prevent very harmful methane emissions, which are up to 34 times more damaging as a greenhouse gas than carbon dioxide."

Only 3% of the 90 million tonnes of animal manure produced each year in the UK is processed. So there is no shortage of poo to make the biomethane.

The plan is for the BioUltra train to run in urban and rural places, creating public transport that is clean, affordable and safe. And, with an eye on the coronavirus pandemic, Clr Nielsen added: "We've also tried to make sure it will keep our passengers from getting COVID or other viruses with a clever air filtration system."

The new train is due to go into production over the coming year.

ACROSS

4 and 3 down) These are gases, such as carbon dioxide, in the Earth's atmosphere that trap heat and stop it becoming too cold, but if too many of these gases are sent into the atmosphere, they warm up the planet (plural noun 10,5)

6) Food that is not eaten, and has been thrown away, eg, because it has been kept beyond its expiry date (noun 5)

7) The process of taking harmful things out of the air (noun 10)

8) This kind of oil for engines comes from petroleum (noun 6)

DOWN

1) Animal dung; cowpats (noun 6)

2) This is a greener type of energy than methane, as it is renewable, because it comes from food waste (noun 10)

3) See 4 across

5) Dangerous gases, etc, sent out into the air (plural noun 9)

