

Green hydrogen

In the next decade electric vehicles will increasingly replace petrol and diesel cars.

That transition is technically more difficult for heavier goods and passenger vehicles. A different form of alternative fuel will have to be found for them and green hydrogen is the most likely candidate.

A network of electrolyzers spread across Northern Ireland at 30 locations could give each major town ready access to their own low-cost green hydrogen to power local transport. Knowing hydrogen is available could give the owners of bus, lorry and agricultural fleets the confidence to switch from polluting diesel to a green, locally produced fuel.

We could produce enough hydrogen to fuel

1300 large vehicles running a day.

It is estimated enough hydrogen could be produced to keep 1,300 large vehicles running per day without having to rely on imports, some of which might come from less renewable processes.

Another use for the hydrogen would be to feed into the local gas network to help its low carbon transition as is already being piloted in Britain.

