

Hector leaks the vehicle-to-grid plan

2018



Have some money to buy an electric car.

And some more money for a smart meter and vehicle-to-grid unit for your home.

Vehicle-to-grid is like a cash machine. You plug your car in, and money from frequency response comes out.



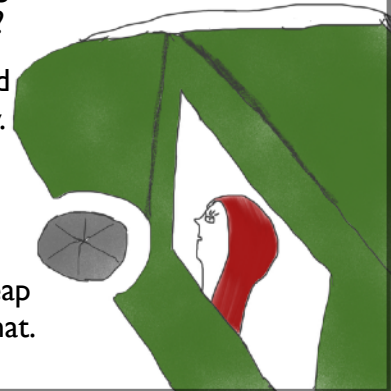
2021



Your vehicle-to-grid unit has stopped working. What did you expect from cheap electronics?

It doesn't matter, it turns out we did not need that much response, so no more cash anyway.

But the great thing about your smart meter is that it separates electricity to charge your car from the rest of your consumption, so your supplier can schedule charging at cheap times and give you a specially good rate on that.



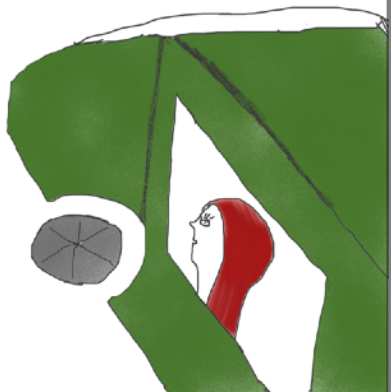
2024



EFRU (electricity for road use) now attracts 10p/kWh duty plus 20% VAT. Electricity for domestic use stays duty-free and with 5% VAT.

That's still a subsidy on EFRU. For 10p of duty ex VAT, petrol users only get 173ml, less than 1.7kWh thermal: they'd need magic thermodynamic powers to find that nearly as useful as 1kWh of EFRU!

And we can use your existing smart meter to collect the tax, making your life easy.



2027



You have plugged your car into a kitchen socket to evade EFRU duty and VAT.

Go to prison.



Hector the Regulator

dcmf.co.uk/hector