Removing Uncertainty

Prof Phil Greening Herriot Watt University Centre for Sustainable Road Freight

Progress to date

Technology	Pro	Con
ERS	Cost effective	Large infrastructure project
	Minimal range constraints	Vehicle costs
	Minimised charging time	
BBEV	Scalable	Charging time
	Most journeys can be completed on a full charge	Charging time and battery size
		Expensive connections to the GRID
HFC	Similar range to diesel vehicle	Large infrastructure project
	Refuelling time equivalent to diesel	Energy inefficient
		Vehicle costs
		Hydrogen supply



•£45bn annual underspend on decarbonisation

•£8Tn available from the investment community

•17-45% of this is currently invested in Carbon