

Transport: Light Vehicles – Hydrogen

Light Vehicles refers to cars, vans, light lorries and HGV (heavy Goods Vehicles) Such as trucks. In 2015, almost all of the Nigeria’s light vehicles were powered by fossil fuels (petrol or diesel) although other lower carbon options, such as hydrogen powered vehicles, were technically feasible. Light vehicles fuelled by hydrogen are likely to be powered by fuel cells rather than internal combustion engines. Hydrogen (H2) powered vehicles, in common with electric vehicles, have zero emissions at the tailpipe.

Key Interaction

Vehicle efficiency, biofuel blend, share of light vehicles fuel type,

Level 1

10% of hydrogen vehicle is existing in Nigeria and share remain zero.

Level 2

20% of cars, vans and trucks are hydrogen fuelled vehicles.

Level 3

30% of cars, vans and trucks are hydrogen fuelled.

Level 4

50% of the cars, vans and other vehicles uses hydrogen fuel.

Default Timing Start Year: 2030 End Year: 2050

Sub-Lever	Units	2015	Level 1	Level 2	Level 3	Level 4
Car	share	0%	10%	20%	30%	50%
LGV	share	0%	10%	20%	30%	50%
HGV Rigid	share	0%	10%	20%	30%	50%

