Light Vehicles - Electric

Light Vehicles refers to cars, vans and small buses. In 2015, almost all of the Nigeria's light vehicles were powered by fossil fuels (petrol or diesel) although other lower carbon vehicles, such as CNG and LPG were available. Battery electric vehicles have zero emissions at the tailpipe and are more energy-efficient than internal combustion engines.

Key Interaction

Low-carbon electricity must be generated to maximise emissions savings from electrified transport. If the combined share of all light vehicles fuel types (electric, hydrogen and biofuel) exceeds100%, the Calculator uses the priority order on the bottom right to determine which levers are applied.

Level 1

Efforts to introduce electricity as one of vehicles fuels are abandoned and share remains at current levels.

Level 2

10% of cars, vans and HGV (trucks) are electric along.

Level 3

20% cars and vans are electric along with 20% of HGV (trucks).

Level 4

Almost 80% cars and vans are electric along with 80% of HGV (trucks)..

Default Timing Start Year: 2025 End Year: 2050

Sub-Lever	Units	2015	Level 1	Level 2	Level 3	Level 4
Car	share	0%	0%	10%	20%	80%
LGV(Vans)	share	0%	0%	10%	20%	80%
HGV Rigid(trucks)	share	0%	0%	10%	20%	80%