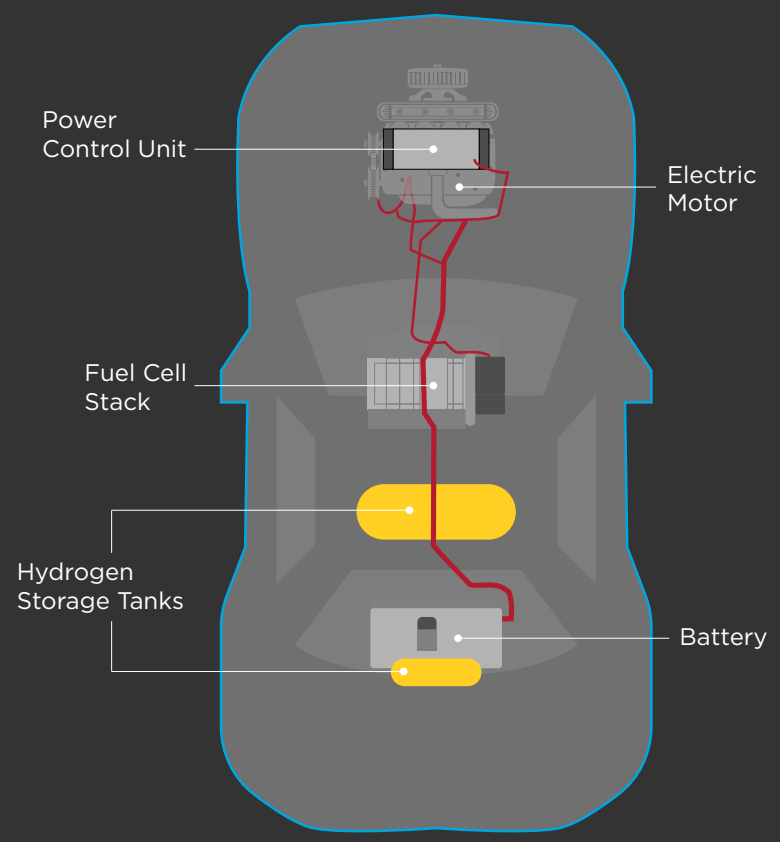
The Fuel Cell Electric Vehicle (FCEV)

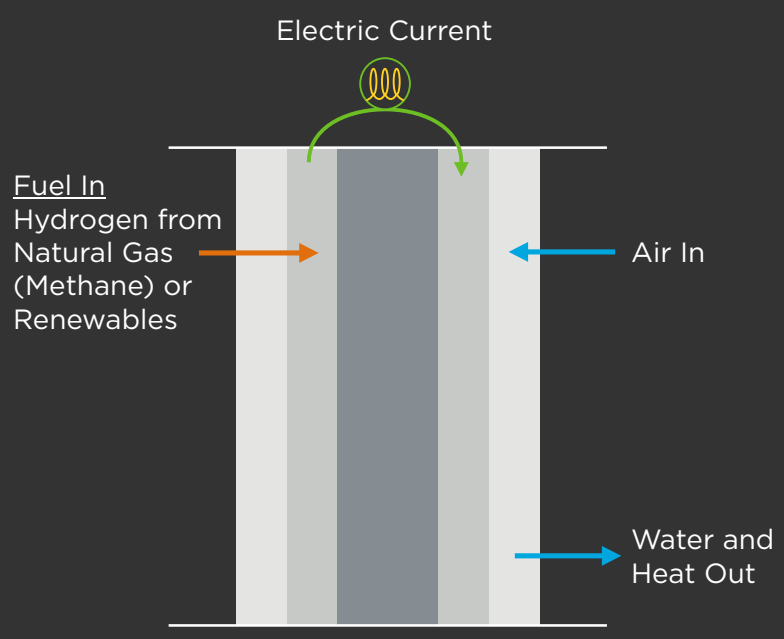
FCEVs are available now in southern California and coming soon to a neighborhood near you.

Hydrogen FCEV System

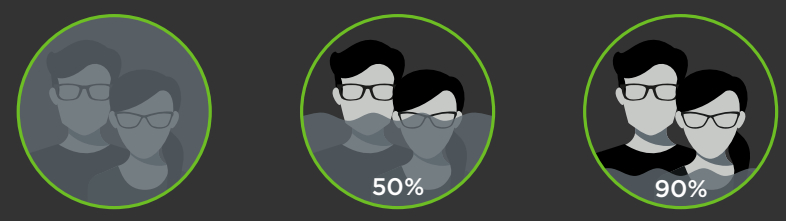


FCEVs generate electricity via the chemical reaction of combining hydrogen and oxygen into water.

Hydrogen Fuel Cell



Reduces Greenhouse Gas Emissions



Gasoline | H_2 from natural gas | H_2 from Wind

Refuels Rapidly

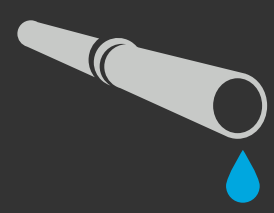
taking only a few minutes and using familiar technology

Can travel 300 Miles

between refills

Emits Only Water

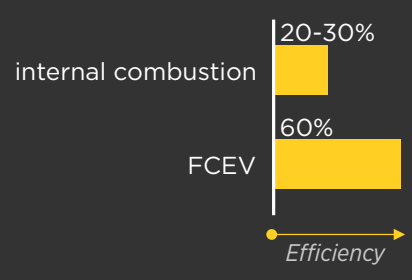
from the tailpipe



Uses Domestic Fuel

- natural gas
- biomass
- water (electrolysis)
- waste products

Operates Efficiently



Runs Quietly

even at highway speeds, since there are no mechanical gears or combustion

Scales Up Easily

as fuel cells can be added to the stack to increase power

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FUEL CELL TECHNOLOGIES OFFICE