



INSTITUTE FOR LIFECYCLE ENVIRONMENTAL
ASSESSMENT
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Carrying the Energy Future

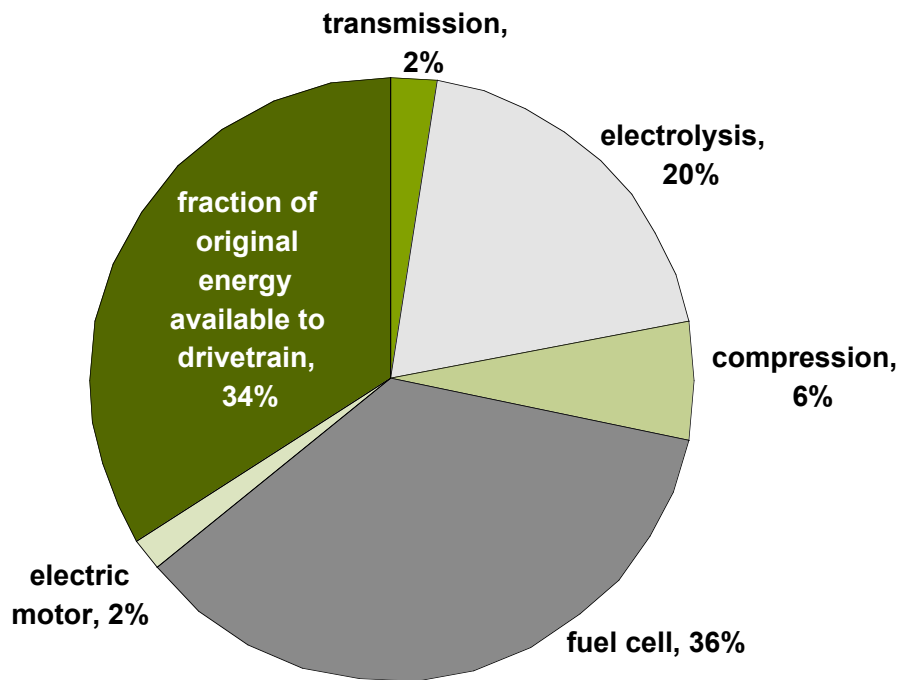
Comparing Hydrogen and Electricity
for Transmission, Storage and Transportation

Patrick Mazza, Climate Solutions

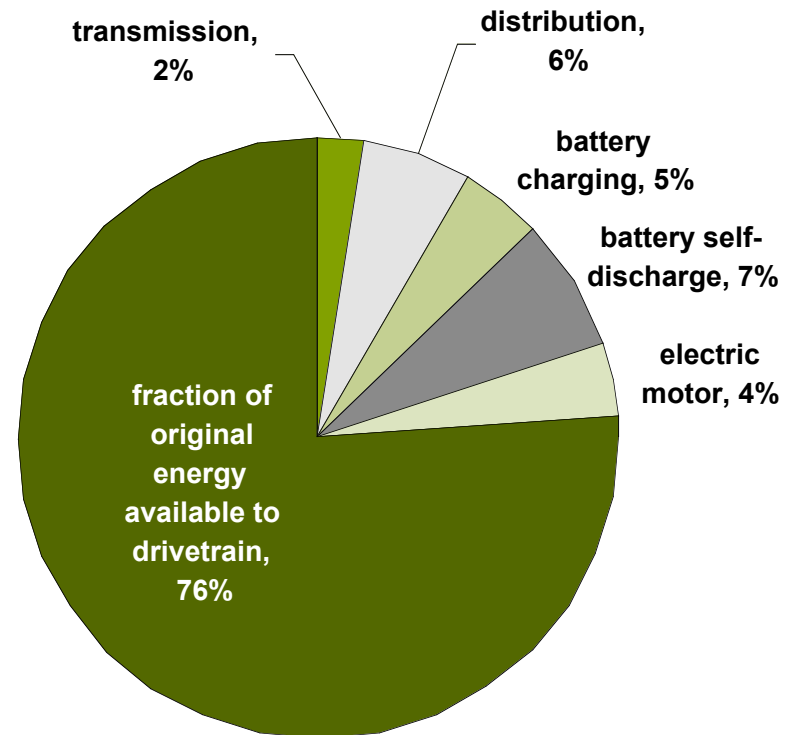
Roel Hammerschlag, ILEA



Fuel chain energy losses



FCV

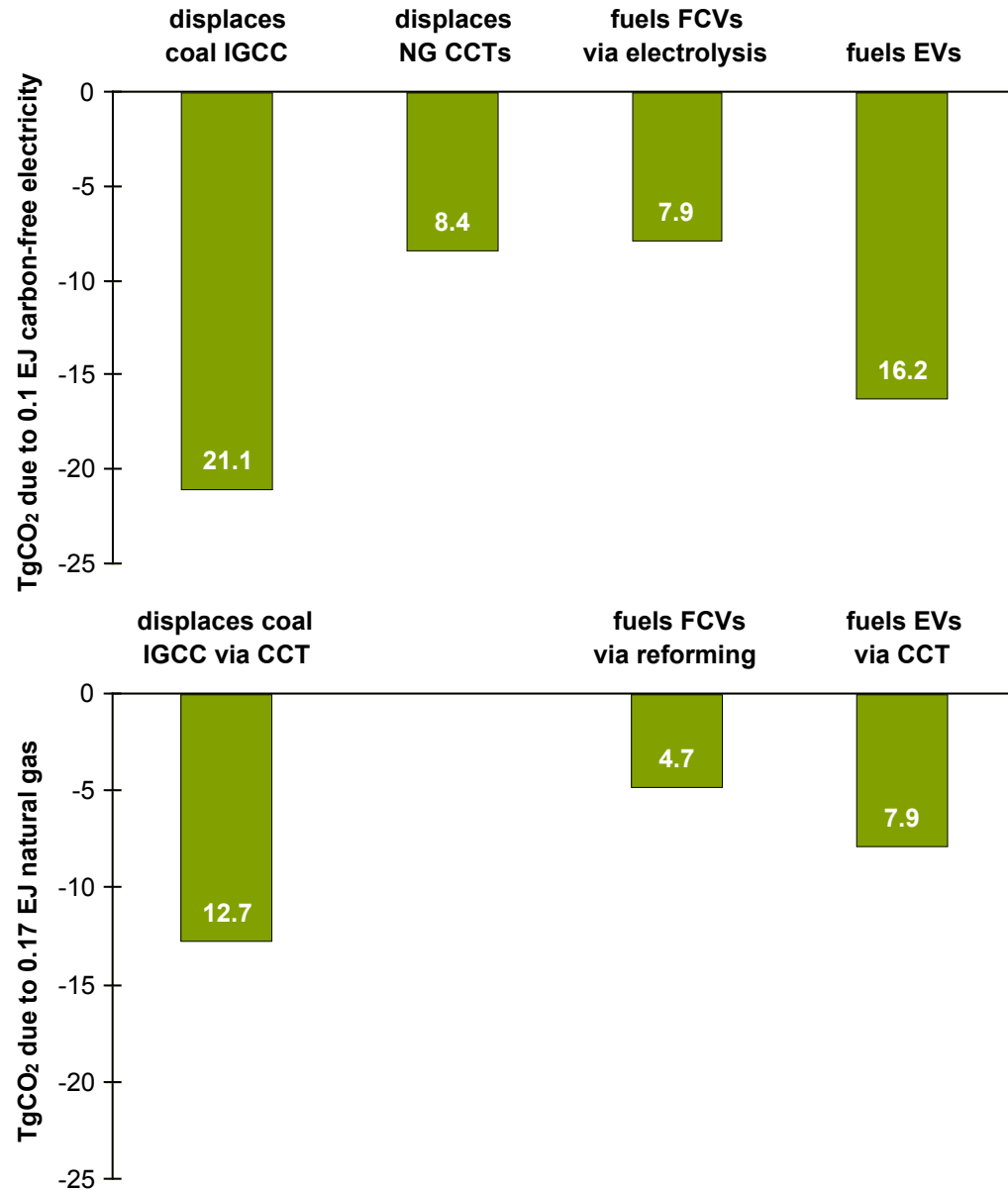


EV



CO₂ reductions
achievable with
renewable electricity

CO₂ reductions
achievable with
natural gas





Similar reductions possible with hybrid technology

