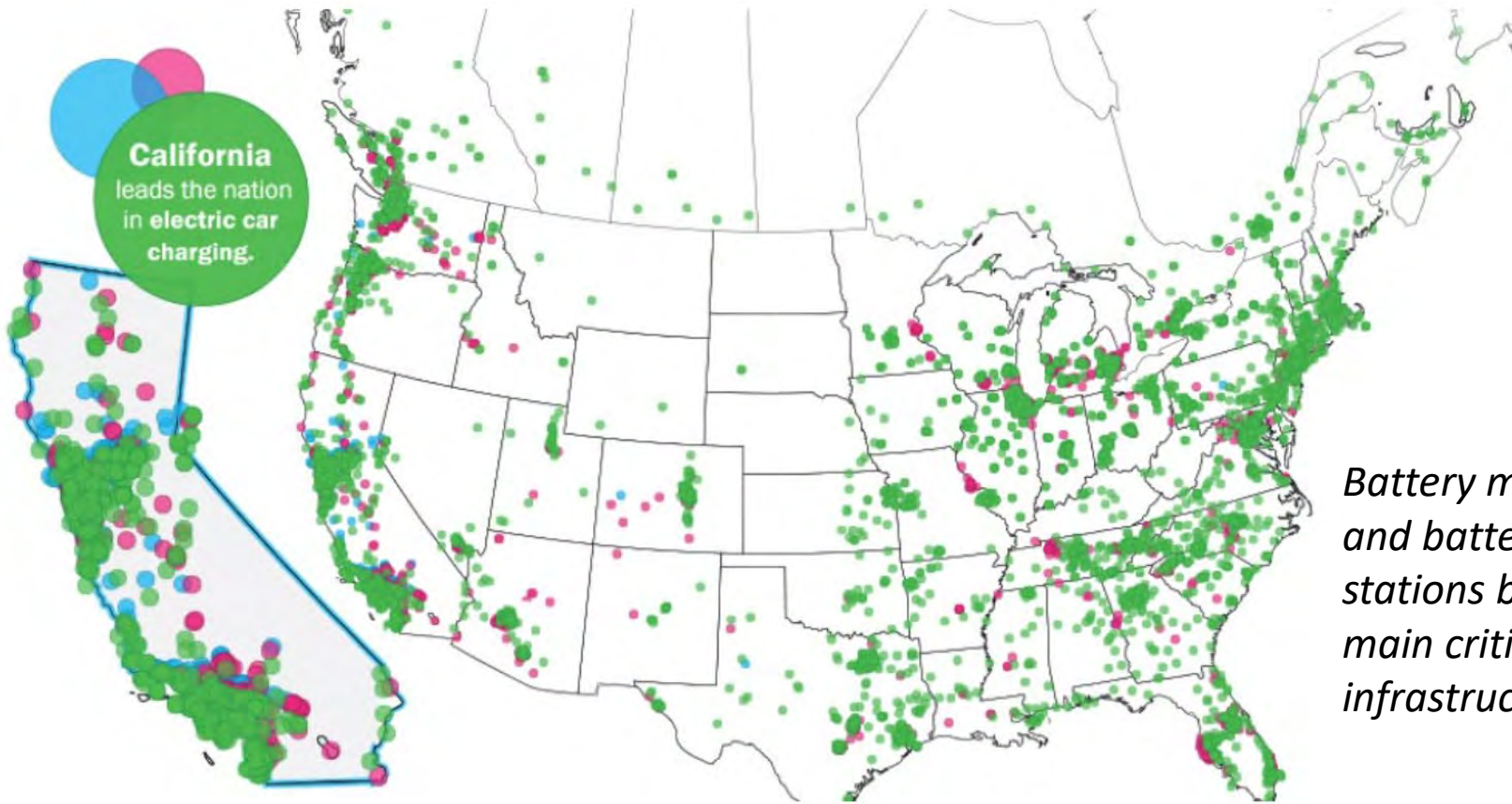


# *Consumer's save \$13,000 on average over life of vehicle*

*Comparison of Lifetime Vehicle Fuel/Charging Costs and Gasoline Consumption*

*Battery costs coming down fast  
and maintenance costs are half  
that of internal combustion cars*

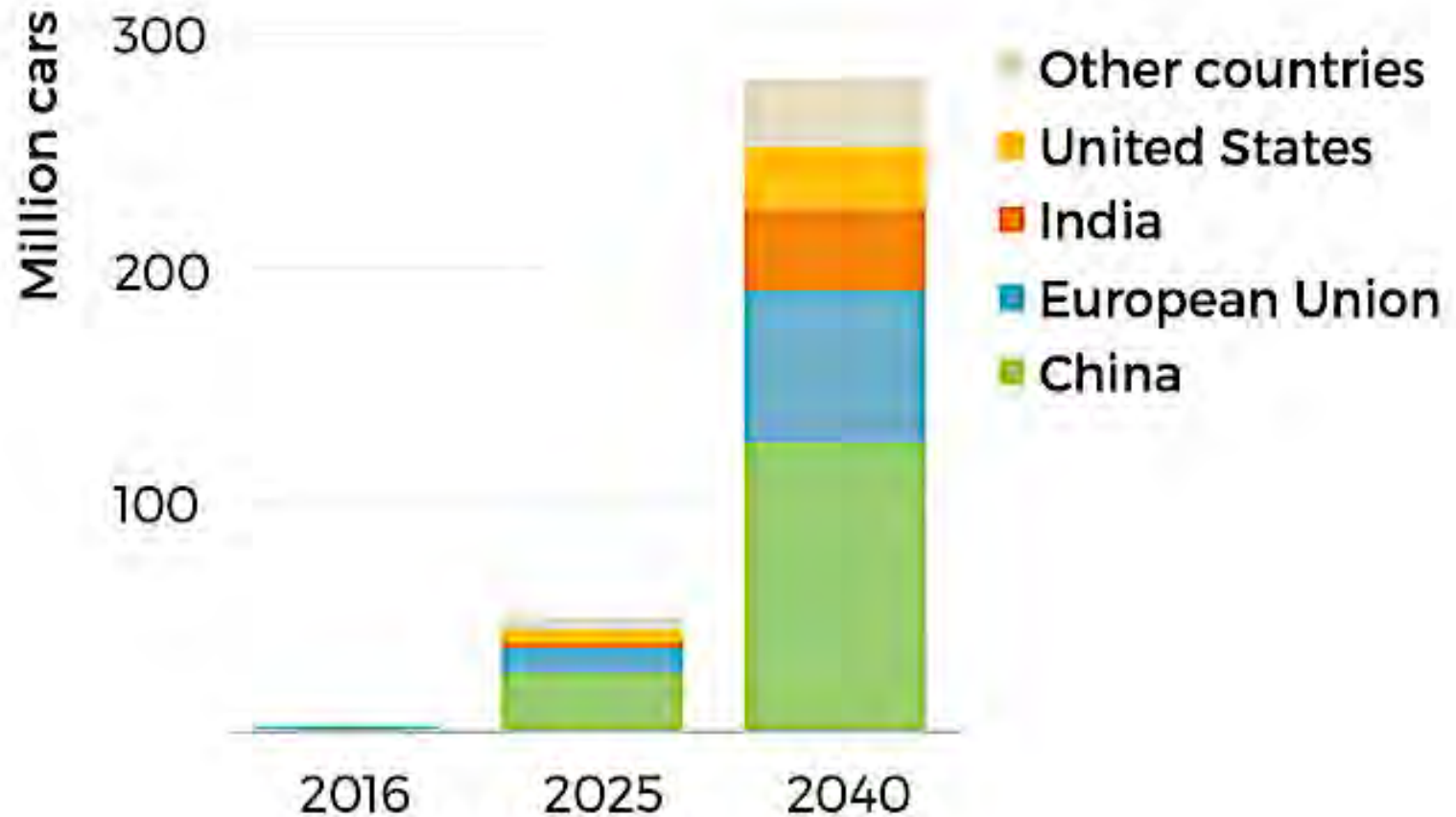


*Battery manufacturing and battery charging stations become the main critical infrastructure needs*



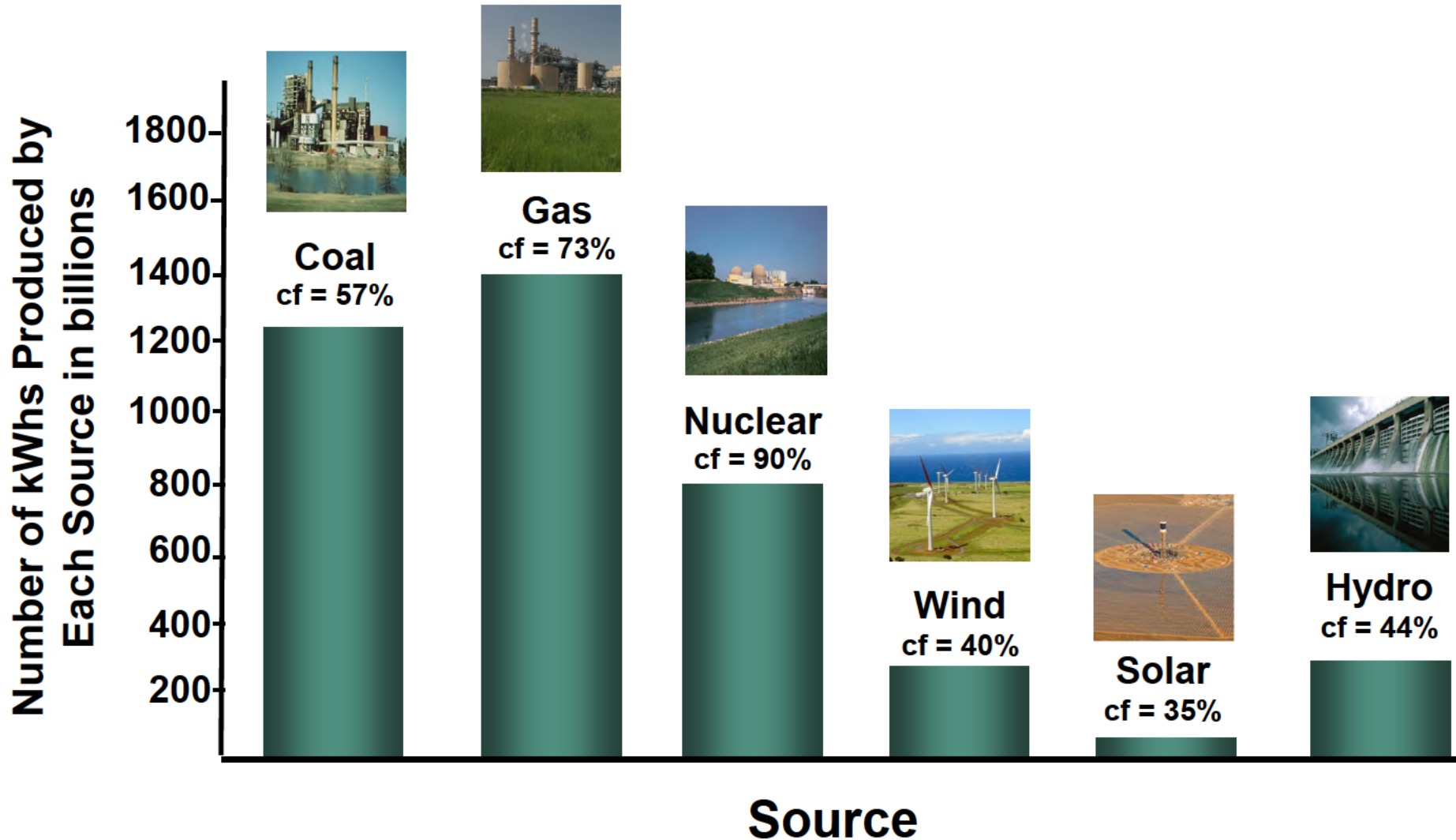
## Electric car fleet, 2016-2040

World Energy Outlook 2017

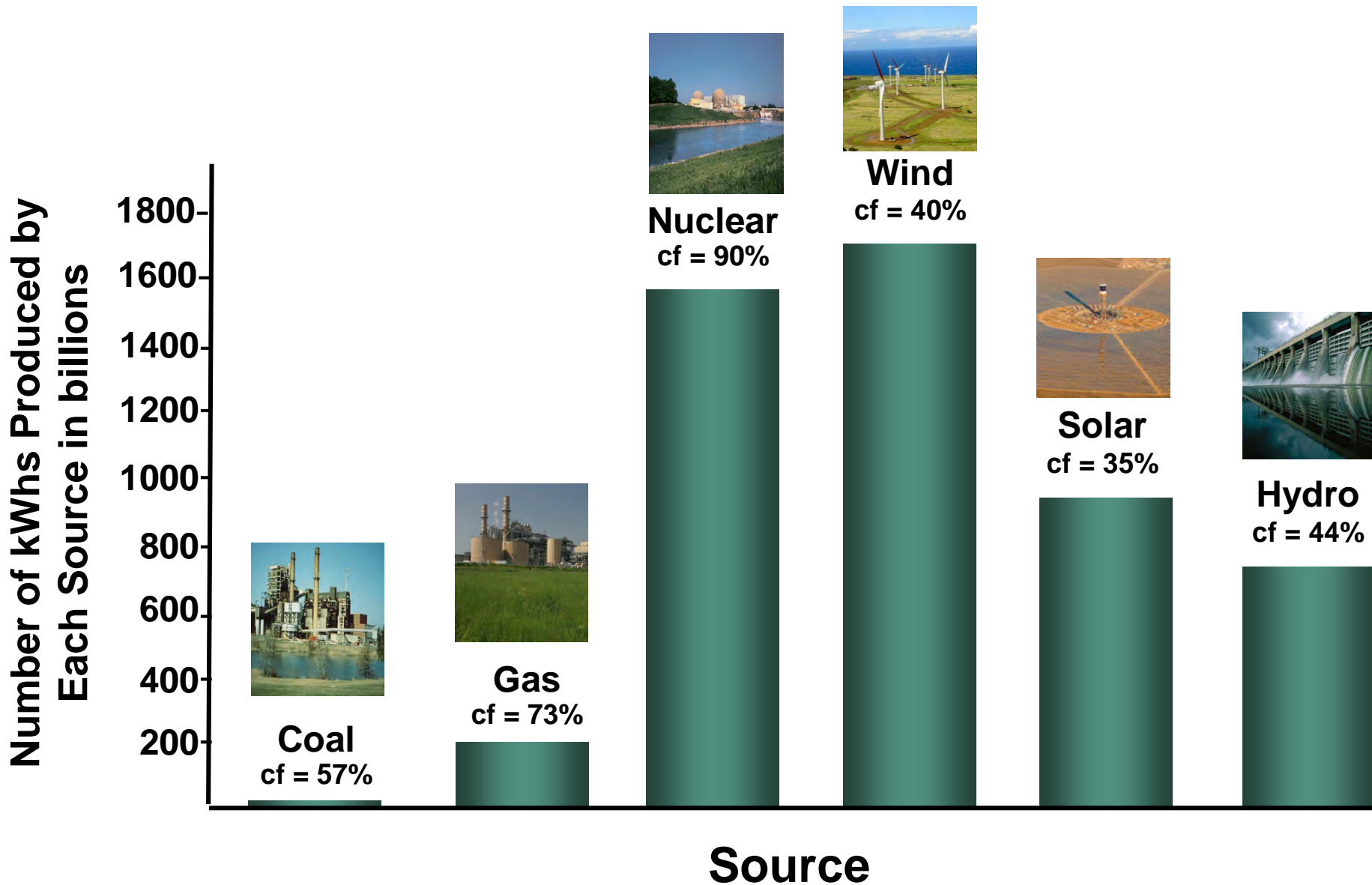


*But there are one billion internal combustion engines, with 100 million more built each year, so by 2040 there will be between 2 and 3 billion internal combustion vehicles, so 300 million EVs won't make any difference.*

# *Present Energy Mix in the United States for a total of 4.2 trillion kWhs*



# *An Achievable Green New Deal Energy Mix by 2040 in the United States for a total of 5 trillion kWhs*





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*Carbon Footprints*