



Remewable energy power grid need to develop along relatively with EVs growth,

1 year

Summary

ission lines needed for 100% renewable energy, 2050 Princet

Incremental capital required by 2030 for net-zero emissions by 2050

Solar electricity

\$500 billion

400

300

200

100

Electricity transmission

# <u>REFERENCE</u>

#### How electricity is produced

https://en.wikipedia.org/wiki/Electricity\_generation#:~:text=Electricity%20is%20most%20often%20generated,solar%20photovoltaics%20and%20geothermal%20power.

### Renewable energy restrictions in US

https://www.youtube.com/watch?v=s3ScJ\_FwaZk&list=PLZhp889UPLIoN2pjMka4TjClZkq0u1b\_1&index=1&ab\_channel=Vox

## Global temperature record

https://en.wikipedia.org/wiki/Global\_temperature\_record https://en.wikipedia.org/wiki/Paleoclimatology

#### CO2 emissions

https://ourworldindata.org/co2-emissions

## Green house gas emissions by sector

https://ourworldindata.org/emissions-by-sector

#### Global energy perspective + trend

https://www.mckinsey.com/industries/oil-and-gas/our-insights/global-energy-perspective-2022

### Green house gas

https://en.wikipedia.org/wiki/Greenhouse\_gas

#### Energy outlooks by BP 2022

https://www.bp.com/content/dam/bp/business-sites/en/global/corporate/pdfs/energy-economics/energy-outlook/bp-energy-outlook-2022.pdf

#### Energy density Extended Reference Table

https://en.wikipedia.org/wiki/Energy\_density\_Extended\_Reference\_Table

## Type of EVs

https://www.mynrma.com.au/cars-and-driving/electric-vehicles/buying/types-of-evs#:~:text=When%20talking%20about%20EVs%2C%20we,battery%20electric%20vehicles%20(BEV).
https://www.lowcarbonbusiness.net/ulevs/
https://yocharge.com/in/ev/types/

#### How does a Hydrogen fuel cell work

 $\underline{https://www.youtube.com/watch?v=a4pXAmljdUA\&list=PLZhp889UPLIoN2pjMka4TjClZkq0u1b\_1\&index=3\&ab\_channel=Let%27sGrowUparticles and the properties of the p$