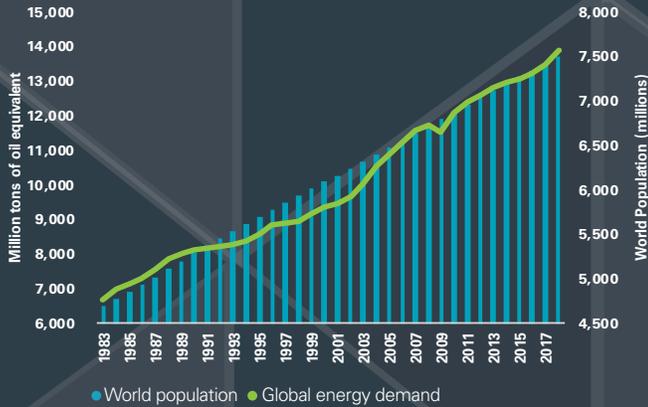


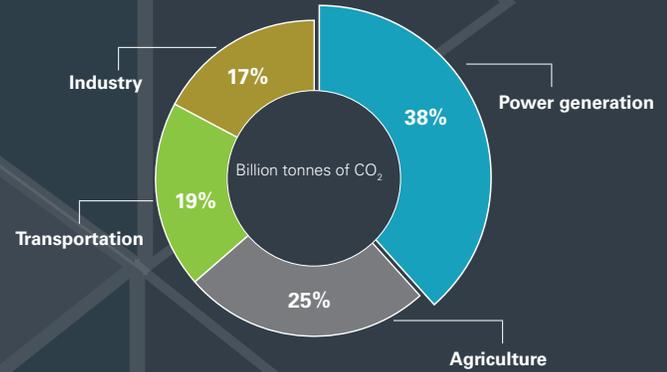
# 10 THINGS YOU MAY NOT KNOW ABOUT ENERGY

**1** Energy demand has grown in 35 of the past 36 years



Source: Bloomberg, BP Statistical Review of World Energy 2019

**2** Power generation is the largest driver of carbon emissions



Source: IEA, Switch. Data represents estimated 2014 global anthropogenic CO<sub>2</sub> emissions

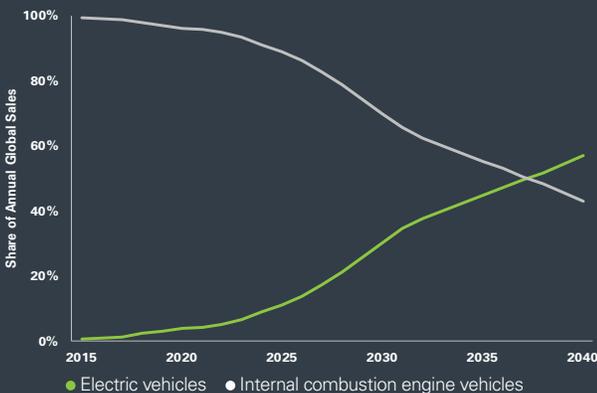
**3** Global electricity is expected to double by 2050

Total energy consumption Indexed to 100



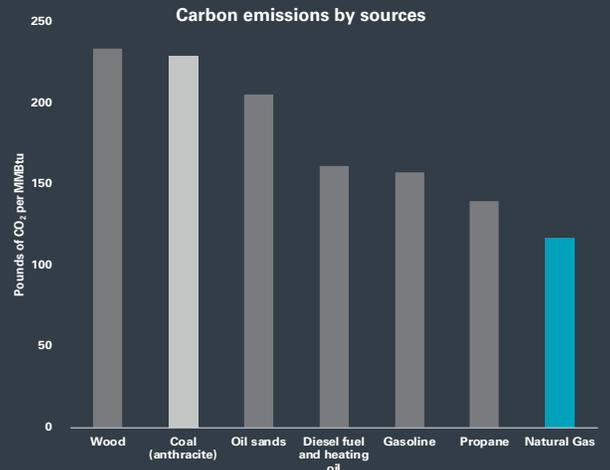
Source: McKinsey. This chart contains projections, there is no guarantee these projections will be met.

**4** Electric vehicles expected to grow significantly through 2040, but internal combustion vehicles will remain relevant for decades



Source: BloombergNEF

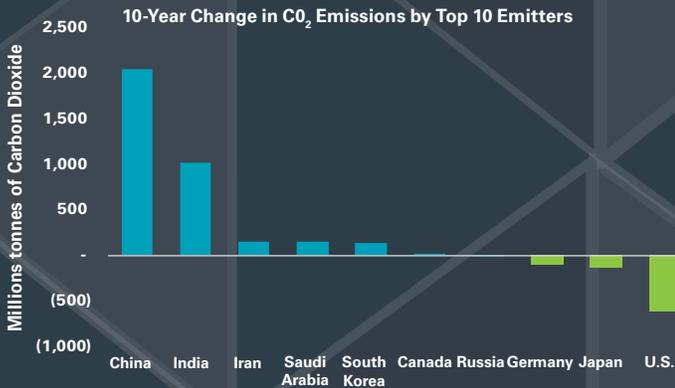
**5** Not all fossil fuels are created equal



Source: EIA, EPD

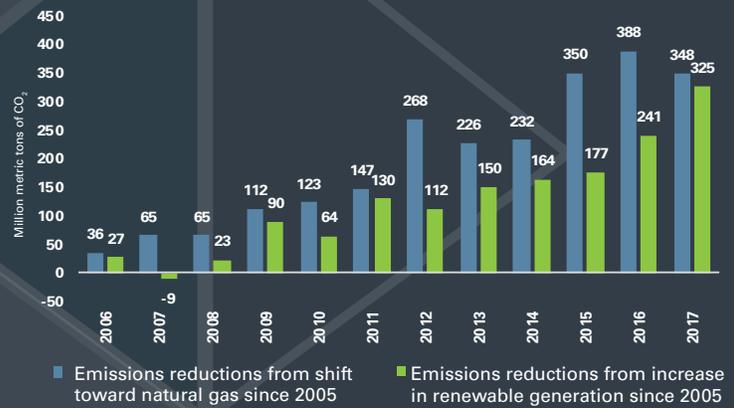
# 10 THINGS YOU MAY NOT KNOW ABOUT ENERGY

**6** The U.S. has decreased carbon emissions more than any other country in the world over the past decade



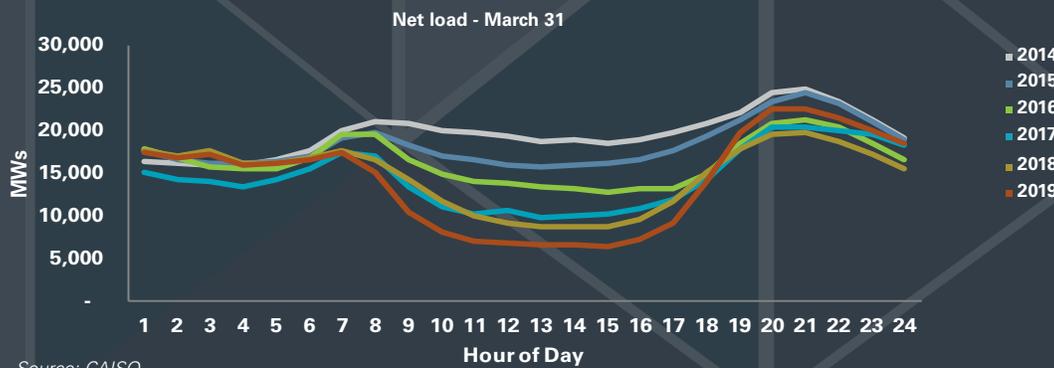
Source: BNEF 2019 New Energy Outlook

**7** 44% of the UN's CO<sub>2</sub> emission reduction goal for 2030 could be met by converting coal consumption to natural gas



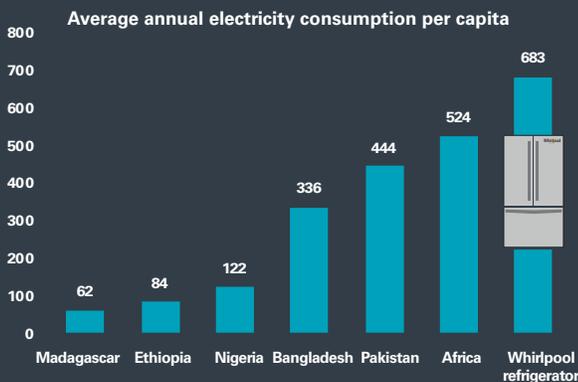
Source: EIA September 2018: U.S. Energy-Related Carbon Dioxide Emissions, 2017

**8** Renewable energy is intermittent and needs a complementary source such as natural gas



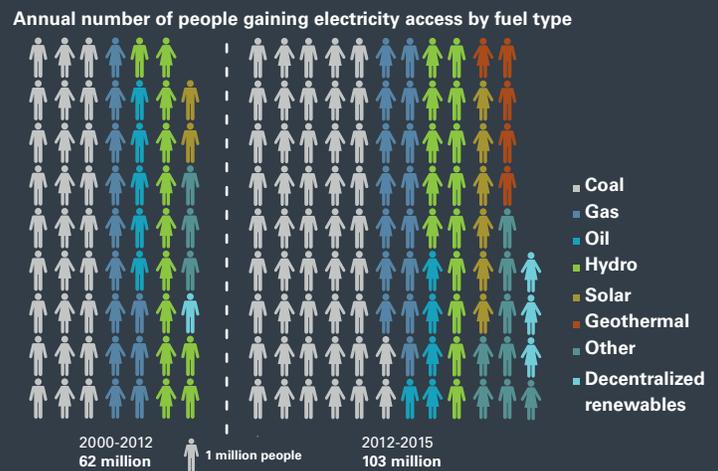
Source: CAISO

**9** 21% of the world's population, consume less electricity on average annually per capita than a refrigerator



As of 6/30/19. Source: CIA, IEA Energy Access Outlook 2017, Whirlpool.

**10** U.S. energy exports can help solve global poverty through electrification



Source: IEA Energy Access Outlook 2017

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