

# NEED FOR TRANSMISSION BUILDOUT

- The U.S. high-voltage transmission system needs to grow 2.3% a year (up from 1% annual growth rate over the last decade) to meet the Inflation Reduction Act's GHG emissions reduction potential of ~1 billion tons/year in 2030.
- **The IRA's emissions reduction potential falls by 80% if the pace of transmission growth remains unchanged.**

# SPEEDING UP TRANSMISSION BUILDOUT

- In the last decade, the US has struggled to build new electricity transmission lines.
- North America has built 7 gigawatts of inter-regional transmission (less than half of that in the U.S.) since 2014 (South America has built 22 gigawatts; Europe 44 gigawatts).
- **200,000 miles of new transmission lines must be built by the 2030s, over the past decade 1,800 miles have been built annually — just over a quarter of what would be needed over the next 30 years.**