

Clean Power Technologies Help Our Economy and our Planet

Clean energy sources like **WIND & SOLAR** are critical parts of reducing greenhouse gas emissions and combating climate change.

Transitioning to majority zero-carbon energy sources like land-based wind, offshore wind, and solar will help drive the clean energy economy forward while benefiting our planet.

When generating electricity, **WIND & SOLAR** power produce zero carbon emissions, the greenhouse gas primarily responsible for climate change

The carbon footprint of a typical **SOLAR** pv plant is **11x smaller** than a natural gas plant and **21x smaller** than a coal plant

A typical **WIND** project repays its carbon footprint from construction in **six months or less**, providing decades of zero-emission energy



Clean Power Reduces Carbon Emissions

WIND & SOLAR power avoid emitting **467 million** metric tons of carbon dioxide per year.

That amount is the emissions equivalent of:

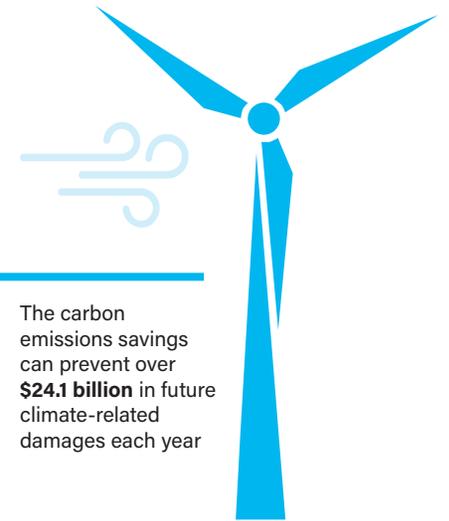
Taking more than **101.6 million** cars off the road each year

490 million one-way trips down scenic Route 66

Would equal the amount of carbon sequestered by planting **21.9 billion** trees

The carbon emissions saved is equivalent of not using more than **55 billion** gallons of gasoline

The carbon emissions savings can prevent over **\$24.1 billion** in future climate-related damages each year



Driving **1.37 trillion** miles in your average car.

That's the emissions equivalent of:

54.8 million trips around the Earth

23.6 trillion football fields long

19.9 trillion trips around the bases on a baseball diamond

Clean Power Makes Communities Healthier by Improving Air Quality

Generating electricity using clean power provides public health benefits. **WIND & SOLAR** power cut significant amounts of harmful air pollutants that impair the respiratory system and exacerbate asthma, like **sulfur dioxide (SO2)** and **nitrogen oxides (NOx)** from entering the Earth's atmosphere.

Decreasing these pollutants helps to reduce smog and the rates of asthma attacks and other respiratory issues

Emissions avoided by clean power generate health impacts with an economic value between \$20-\$51 billion

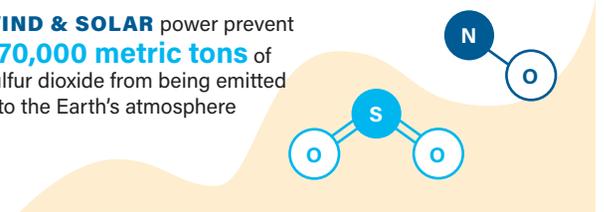
WIND & SOLAR power avoid **308,000 metric tons** of nitrogen oxides from being emitted into the Earth's atmosphere



That's the same amount of NOx emitted by an average tractor trailer driving nearly **36 billion** miles

12 million tractor trailers driving across the country

WIND & SOLAR power prevent **270,000 metric tons** of sulfur dioxide from being emitted into the Earth's atmosphere



Clean Power Saves Water

Because clean power does not require water for cooling like conventional power plants, **WIND & SOLAR** projects save **228 billion** gallons of water each year.

That amount of water is enough to fill:

345,000 Olympic-sized swimming pools

1.8 Trillion bottles of water

