

FACT SHEET

The Truth Behind the Turbines

Offshore Wind Fiction Debunked

1

FICTION:

U.S. offshore wind farms are built by a foreign supply chain.

FACT:

An American supply chain spanning 40 states and \$25 billion in U.S. investments is building a secure energy future.

Offshore wind is Made in America. Thousands of American businesses, including steel mills, shipyards, ports, and factories are building energy infrastructure to deliver homegrown, offshore wind power to surrounding communities. While offshore wind projects today power Northeast states, the jobs and economic benefits span 40 states, from the Gulf Coast to the South and the Midwest. One project alone - South Fork Wind - relied on 200+ supply chain contracts from 193 unique American suppliers in 25 states, sparking nearly \$1 billion in new investments nationwide. Offshore wind development off the Atlantic coast is expected to create up to 212,000 U.S. jobs annually - three times more jobs than new offshore oil and natural gas development is expected to create.



2

FICTION: Offshore wind doesn't deliver reliable power.

FACT:

Offshore wind projects have dependability rates on par with traditional carbon technologies.

U.S. coastlines boast some of the highest, most consistent wind speeds in the world, especially during the harsh winter months, storms, or times of day when demand is ramping up and solar is not online.

Its capacity factor - the real-life power output compared to its potential - rivals traditional energy sources and even exceeds nuclear energy's output when you compare active areas of exclusionary space. South Fork Wind, the first commercial offshore wind farm in the U.S., has exceeded expectations, according to the Long Island Power Authority, especially during peak winter demand. Data from one of America's pilot projects off the Virginia coast showed an annual capacity factor of 47% - on par with coal plants.

Offshore wind strengthens grid reliability and reduces our dependence on foreign oil. A study found that increasing offshore wind supply by 8,000 MW would virtually eliminate the risk of a winter blackout in New England.

3**FICTION:**

Offshore wind energy
is expensive.

"It represents the fastest and most economical way to deliver almost three gigawatts of electricity to Virginia's grid, to support America's AI and cyber preeminence in the largest data center market in the world."



- Bob Blue
Dominion Energy CEO

FACT:**Offshore wind energy will LOWER
U.S. energy costs for Americans.**

The cost to build offshore wind power is cost-competitive with natural gas, cheaper than nuclear energy, and faster to deploy than nearly all other energy sources today. Unlike the fluctuating costs of traditional energy sources, offshore wind is a local energy source which features fixed, stable, and transparent pricing for the long-term, without the price spikes Americans experience every year.

By 2030, wind energy is estimated to be nearly 28% cheaper to produce over a project lifetime than gas, which is projected to become more costly over the next decade. In New England alone, increasing offshore wind supply is expected to save families \$630 million annually on electricity costs, with net savings in some years surpassing \$1.3 billion compared to natural gas. And Dominion Energy estimates the average electric bill for a typical residential consumer will decrease by \$12/year with the buildout of their CVOW-Commercial offshore wind project.





4

FICTION: Offshore wind farms harm fish, marine life, and birds.

FACT:

Offshore wind CREATES new marine habitats.

A 2025 study confirmed that wind farms add new structures that marine invertebrates attach to and grow on. The new habitat and availability of food bring fish and shellfish to the area in what is known as a “reef effect”. A seven-year independent study at Block Island Wind Farm authored by INSPIRE Environmental and cooperatively developed with local commercial fishermen concluded that most species saw no difference in catch due to the operation of the wind farm.

Multiple federal agencies and independent universities (Stony Brook, Duke, etc.) have found no link between offshore wind development and whale strandings. Entanglements with fishing gear and vessel collisions are the leading cause of whale strikes.

Every year, billions of birds die as a result of human activities in the U.S. alone, which includes collisions with building glass, electrical lines, vehicles, and cats, according to a study from the U.S. Fish & Wildlife Service. In fact, cats alone account for 2 billion bird deaths a year, while 75,000 turbines in the US account for less than 150,000 (<2 birds per turbine per year). Similarly, a bird study conducted in the United Kingdom found zero bird collisions or even close calls in more than 10,000 bird videos over a two-year monitoring period.