Wind Power Shipments on the BNSF Network

*Serving the transportation needs
of the wind energy market*

Efficient and Safe Transportation Solutions for the Wind Energy Market

As one of the **nation's largest railroads,** BNSF Railway is positioned to transport imported or domestically manufactured wind components. Our fundamental approach is simple: We provide **customized, turn-key shipping solutions** to fit your exact needs.

Our Commitment to You:

You can count on us to be a **collaborative partner** through all stages of the transportation process – from pre-planning to final delivery. **Our experience** of a decade in the wind market helps qualify us to ship your components. We have safely moved thousands of wind components on rail across the United States.

With BNSF, you get the total transportation package:

> Engineering diagrams
> Streamlined clearance approvals
> Reliable equipment availability
> Specialized equipment design
> Competitive rail rates
> Competitive transload fees
   (crane, labor, storage)
> Detailed trucking solution/costs
> Test shipments on rail
> Rail tracking and tracing reports
> and more

BEST IN CLASS OPERATIONS

At BNSF, we have the experienced personnel, network, equipment and technology to make your shipments cost-effective and convenient. And safety is our top priority. We evaluate on-site loading and monitor ride quality to ensure a safe and well-balanced load.
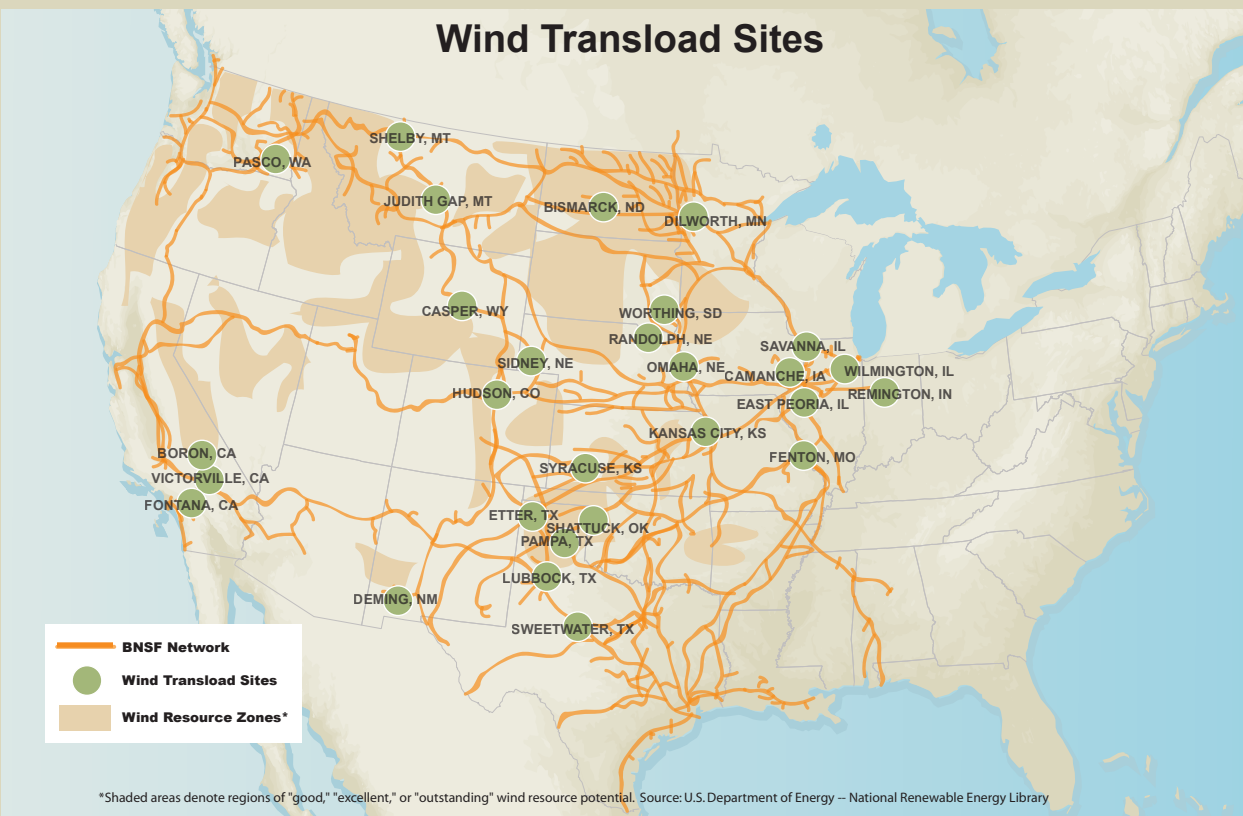
We Go The Distance

BNSF Port Access

ACCESS TO THE MOST PORTS

With service to and from the most U.S. ports, BNSF is well-positioned to transport wind power components – inbound or outbound. And with our network of partners, we'll help manage all your transportation logistics, including coordination with the ports that best suit your specific requirements.

Wind Transload Sites

Legend:
- BNSF Network
- Wind Transload Sites
- Wind Resource Zones*

*Shaded areas denote regions of "good," "excellent," or "outstanding" wind resource potential. Source: U.S. Department of Energy -- National Renewable Energy Library

Save money on your transportation costs by allowing us to move your wind turbine components for the long haul. Our transload hubs are strategically located less than 300 miles from the vast majority of wind farms in the United States. Just tell us where you need to go. In conjunction with our partners, we'll customize a solution that suits your needs.

Committed to Environmental Leadership

As one of the nation's largest railroads, BNSF embraces the opportunity to make a meaningful difference in protecting our environment. Railroads are the most environmentally friendly mode of surface transportation. BNSF is a leader in the rail industry for the protection of our air, land, and water.

REDUCING YOUR CARBON FOOTPRINT

To help quantify the positive impact shipping by rail can have on the environment, we've created a Carbon Estimator tool. This tool provides comparisons of carbon output on shipments by rail vs. carbon output on shipments by truck.

A Real Example:

On one specific move in 2011, BNSF shipped 22 wind turbine blades on its rail network from Iowa to Pasco, Wash. The customer's decision to use rail is having a significant positive impact on the environment. Just how much? We conducted a comparison of the carbon output emitted on this specific shipment vs. the carbon output that would have been emitted had the same shipment moved by truck only.

Units	Tons	Miles	BNSF Carbon Footprint	Truck Equivalent Carbon Footprint	BNSF vs. Truck Footprint Reduction
22	528	1,981	22.9 metric tons of CO_2 equivalents	172.2 metric tons of CO_2 equivalents	87%

In this shipment alone, moving these wind components via rail resulted in an
87% reduction in carbon output.

For assistance in calculating your own carbon footprint comparison
or to learn more about our environmental stewardship, contact us.

Ship with BNSF and Breathe Easier – Contact BNSF Today

To learn more or to begin planning your wind turbine shipping project with BNSF, contact:

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