Wind Energy is Good for South Dakota

In 2015, the state generated more than 25 percent of its electricity from wind power, second in the nation, while the future is full of possibility as the fifth windiest state, South Dakota has significant wind resource potential.

Current Wind Generation
• Equivalent number of homes powered by wind: Over 267,000.

Wind Generation Potential
• The US Department of Energy Wind Vision Scenario projects that South Dakota could produce enough wind energy by 2030 to power the equivalent of 895,000 average American homes.

Wind Project Statistics
• Installed wind capacity: 977 MW
• State rank for installed wind capacity: 18th
• Number of wind turbines: 583
• State rank for number of wind turbines: 18th
• Number of wind projects online: 14
• Land Area Suitable for Wind Resource Development: 94%
• Wind manufacturing facilities: 7
• High-Quality Wind Capacity: 40% (3rd in nation)
• National rank for fastest growing wind economy: 10th

Iowa and South Dakota generate over 25% of their electricity from wind, while nine states generate greater than 11 percent.
Benefits of Wind Energy Production

Being A Power Source isn’t the Only Impact of Wind

An investment in wind power is an investment in jobs, local revenue, lower utility costs, public health, the environment, and wildlife.

Wind projects include jobs in operations and maintenance, construction, manufacturing and many support sectors. In addition, wind projects produce lease payments for landowners and increase the tax base of communities which assists local school districts.

The generation of wind provides a domestic, sustainable, and economically viable energy source as it reduces consumer electricity prices, helps protect against future price shocks and allows the market to be more competitive.

Wind deployment delivers public health and environmental benefits, including reduced greenhouse gases (GHG) emissions, reduced air pollutants, and lower water consumption and withdrawals.

The building of wind facilities is done with careful consideration for the public’s acceptance of land use, wildlife concerns and radar interference using planning, technology, and communication to mitigate issues and improve upon study results.

Be part of wind power in South Dakota and support SDWEA!

SD’s Impact and Benefits

• Jobs supported over last two years: 1,001 to 2,000
• Total capital investment: $2 billion
• Annual land lease payments: $2.4 million
• Annual state water consumption savings: 246.3 million gallons
• Equivalent number of water bottles saved: 1.9 billion
• Carbon dioxide (CO2) emissions avoided: 451,000 metric tons and equivalent cars worth of emissions avoided: 96,000
• South Dakota’s population suffering from asthma and other respiratory diseases (CDC, 2014-15): Over 97,000 or 11%

2016 Annual Membership Form

Date: ______________________
Name: ______________________ Phone: ______________________
Organization: ______________________ Address: ______________________
City: ______________________ State: ______ Zip: ________ Email: ______________________

Membership Levels: Please circle membership level below. To pay online through PayPal or debit/credit card option go to sdwea.org. For more information or questions, please call 605-679-7920 or contact Angela Landeen at angela@sdwea.org.

Class IV: Corporations - $3,000
Class III: Wind Developers/Wind Services - $1,000
Class II: Large Organizations - $500
Class I: Wind Advocates
a. Small organizations supporting wind - $100
b. Individuals supporting wind - $25
c. Students - $10

Mail form and payment to: South Dakota Wind Energy Association, 300 East Capitol Avenue, Pierre, SD 57501.