Over last 5 years American wind has:

- Attracted over $15 billion annually in private investment to the U.S. and up to $25 billion in a single year (2012).
- Added 36.5% of all new power capacity in the U.S., right behind natural gas. In 2012, wind was largest single source of new electric generating resources in the U.S., installing 42% of all new capacity.
- Grown its domestic manufacturing base, now encompassing more than 550 manufacturing facilities employing 25,000 people, with total jobs over 75,000.
- Grown American manufacturing of wind turbines from less than 25% to over 70% today.
- Eight states now get more than 10% of their electricity from wind, including two states that get more than 20% from wind.
- Through technology advances, now generates 30% more electricity per turbine – all while driving down costs.
Wind Power Capacity Additions

- Over the past 5 years, wind power has provided 36.5% of all new generating capacity in the U.S.

- In 2012, wind power was the #1 source of new electric generating capacity – with 42% market share.

- All renewables capture a 56% market share

Data Source: AWEA, EIA, SEIA, SNL
The U.S. generated 3.5% of its electricity from wind in 2012, up from 2.9% in 2011.

In 2012, wind energy generated more than 20% of the electricity in both Iowa and South Dakota.

In 2012, nine states produced more than 10% of their generation from wind energy, up from only 5 states in 2011 and only 1 state in 2007.

Data Source: EIA
During 2012 at least 559 wind-related manufacturing facilities produced a product for the U.S. wind energy industry across 44 states.

The U.S. wind energy supply chain contains 13 utility-scale blade facilities, 12 tower facilities, and 12 turbine nacelle assembly facilities, all spread across 18 states.

The domestic content of wind turbines has grown from less than 25% prior to 2005 to approximately 72% at the end of 2012, according to U.S. International Trade Commission data and analysis from the U.S. Department of Energy.
Rural Benefits of Wind Power

Landowners can realize lease payments of up to $120,000 over a twenty-year period for each wind turbine installed on their property.

Wind energy brings taxes and other revenues for rural communities - benefiting county and local services including schools, health care facilities, and roads.

Wind energy reduces water consumption for thermal power generation, which may compete in drought-ridden regions for agricultural uses.
Wind is Cost-Competitive

- EIA estimates the levelized cost of new onshore wind generation to be one of the lowest cost options.
- In many cases, wind is cost-competitive with new natural gas units.

Data Source: EIA, Levelized Cost of New Generation Resources in the Annual Energy Outlook 2013
Wind has been shown to reduce overall energy costs for consumers, saving ratepayers $63 to $147 per year in the MISO footprint.

Prices of wholesale electricity will, on average, decrease $18.16/MWh in MISO as wind increases.
Utilities on Wind

✓ For fuel diversity
   “Adding additional wind energy to our generation mix underscores our commitment to a diverse portfolio that offers clean, safe, reliable, sustainable and low-cost electricity for years to come.”
   - Paul Bowers, president & CEO of Georgia Power after signing 2 PPAs for Georgia Power’s first wind contracts. April 23, 2013

✓ As a hedge against volatile fuel prices
   “The latest addition of 150 megawatts of low-cost wind energy provides AECC with a hedge against fluctuating natural gas energy prices […] We will continue to pursue energy options that allow AECC’s member cooperatives to provide reliable electricity at the lowest possible cost.”
   - Duane Highley, president & CEO of Arkansas Electric Cooperative Corporation after signing a 150 MW contract July 22, 2013

✓ To save consumers money
   “We started shopping for more wind energy in March after seeing some very good prices on the market […] We are making these acquisitions purely on economics and the savings we can deliver to our customers.”
   - Riley Hill, president & CEO of Xcel Energy’s Southwestern Public Service Company after announcing on July 10, 2013 nearly 700 MW that will save customers more than $590 million in fuel costs over 20 years

✓ For cost competitiveness
   “Wind prices are extremely competitive right now, offering lower costs than other possible resources, like natural gas plants. These projects offer a great hedge against rising and often volatile fuel prices.”
   - David Sparby, president & CEO of Xcel Energy’s Northern States Power announcing 600 MW of new wind power contracts on July 16, 2013
U.S. Tax Policy supports domestic energy production for all sources of energy
Key Drivers: Production Tax Credit (PTC)

Annual Wind Installed (MW)

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Source: AWEA
Public Overwhelming Supports Wind

Over 90% drop in the price of wind power since 1980, benefiting utilities and consumers.

89% of American voters believe increasing the amount of energy the nation gets from wind is a good idea.

84% of Republicans
88% of Independents
93% of Democrats
Upcoming AWEA Events

2013

AWEA Wind Energy Finance & Investment Seminar
   September 9-10 | New York, New York

AWEA Ohio Wind Energy Summit
   September 24 | Columbus, Ohio

AWEA State Wind Energy Forum – Colorado
   October 8 | Denver, Colorado

AWEA Offshore WINDPOWER Conference & Exhibition
   October 22-23 | Providence, Rhode Island

AWEA Wind Energy Fall Symposium
   November 6-8 | Colorado Springs, Colorado

AWEA Wind Resource & Project Energy Assessment Seminar
   December 10-11 | Las Vegas, Nevada

2014

AWEA Wind Project O&M and Safety Seminar
   January 15-16 | San Diego, California

AWEA Wind Project Siting Seminar
   January 29-30 | New Orleans, Louisiana

AWEA Regional Wind Energy Summit – Northeast
   March 25-26 | Portland, Maine

AWEA WINDPOWER 2014 Conference & Exhibition
   May 5-8 | Las Vegas, Nevada