







GLOBAL & NORTH AMERICAN PRESENCE NORDEX GROUP



NORDEX GROUP AT A GLANCE

- 26 years experience
- Headquartered in Germany (Hamburg)
 - listed on the Frankfurt Stock
 Exchange
- Exceptional revenue growth track record and strong future growth potential
 - 2004 Revenue: € 214m / \$ 289m*
 - 2009 Revenue: € 1,183m / \$ 1,597m*
 - 2010 Revenue: € 1,007m / \$ 1,359m*
- 2,504 employees as of Dec 2010
- Total installations: > 7,100 MW /
- > 4,500 Wind turbines



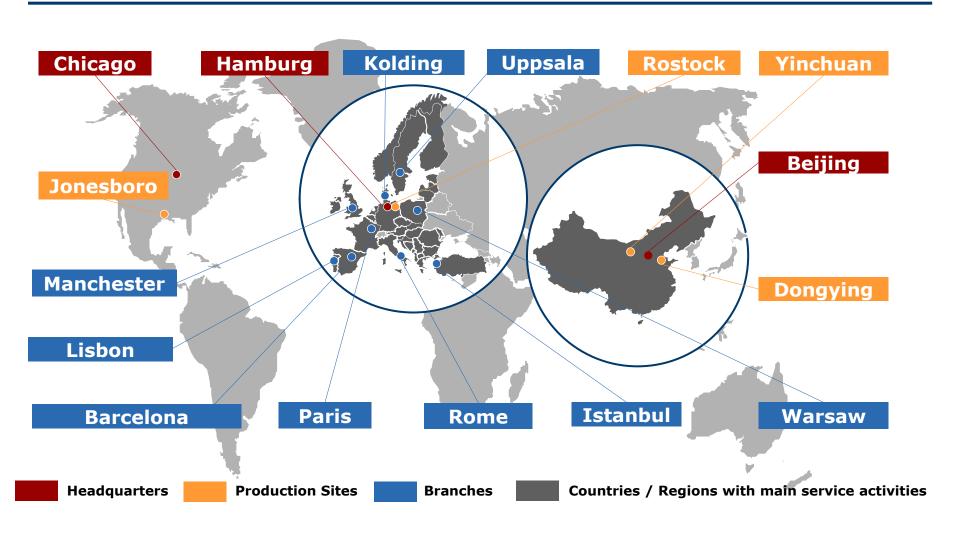
GL-Garrad Hassan

[&]quot;Nordex is an experienced player in the wind power industry, manufacturing wind turbines since 1987."

^{*} based on an exchange rate of \$ 1.35 / €

GLOBAL & NORTH AMERICAN PRESENCE NORDEX LOCATIONS WORLDWIDE





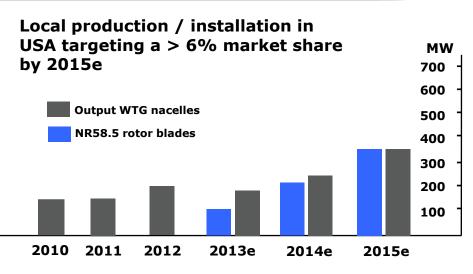
GLOBAL & NORTH AMERICAN PRESENCE NORDEX USA, INC.



NORDEX USA AT A GLANCE

- US headquarters in Chicago, IL;
 Production (Oct. 2010) in Jonesboro
- Investment (Plant): ~ \$ 42 million
- Headcount at end of 2011: 220
- Organizational set-up in the US:
 - Engineering
 - Procurement & Supply Chain
 - Production
 - Project Management
 - Service
 - Health & Safety
 - Sales
 - Project Development







GLOBAL & NORTH AMERICAN PRESENCE US FACILITIES & INSTALLATIONS

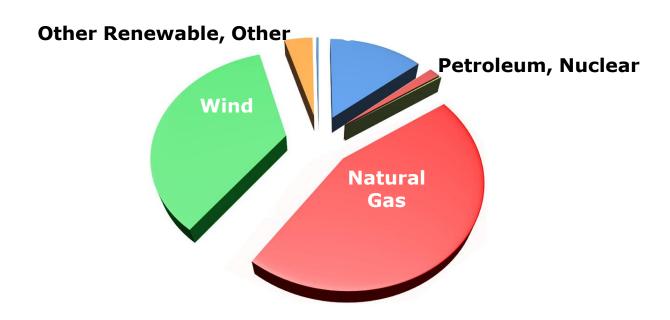




THE AMERICAN WIND INDUSTRY: ABUNDANT, AFFORDABLE, RELIABLE, SECURE, AND HOMEGROWN We've got the power.

- □ USA has one of the best wind resources in the world
 - □ Potential to supply more than 37 trillion kwH of electricity 10 times current need
 - ☐ Currently about 47,000 MW of wind power installed

Wind provided 35% of all new USA electrical generating capacity, 2007-10



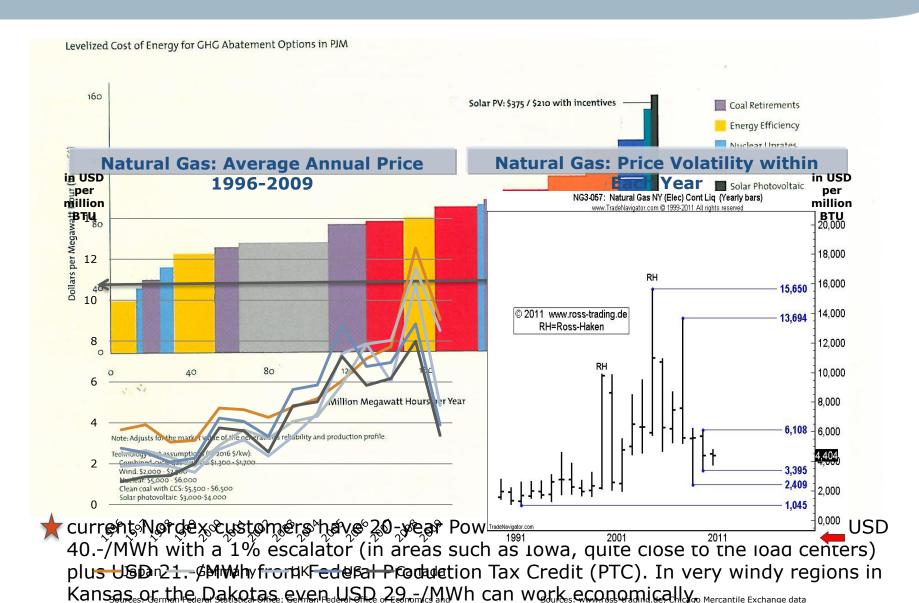
THE AMERICAN WIND INDUSTRY:

ABUNDANT, AFFORDABLE, RELIABLE, SECURE, AND HOMEGROWN

Export Control (BAFA); Heren Energy Ltd.; Natural Gas Week, Energy Intelligence

Group





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THE AMERICAN WIND INDUSTRY: ABUNDANT, AFFORDABLE, RELIABLE, SECURE, AND HOMEGROWN We've got the power.

☐ Wind is competitive despite an uneven playing field

Fossil Fuels Enjoy Permanent Incentives 5x Those of Renewables 20 Federal subsidies for Electricity Sector FY 2002 to FY 2007 (in billions) 15 ■ R & D ■ Tax Credit 10 5 0

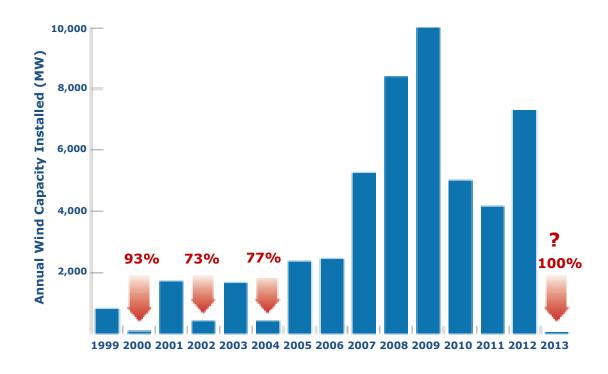
ource: Government Accountability Office, October 2007



Why is the PTC so important?

- Equipped with the PTC, the cost of wind power has dropped by almost 50% since 2008, benefiting utilities and consumers.
- PTC has been successful in encouraging the growth of a costcompetitive American industry.
- □ A vote for a PTC extension is a vote for creating American jobs and investing in proven clean energy technology. Without a longer term policy, we are seeing these jobs go to China and Europe.
- □ Failure to extend the PTC beyond 2012 will roll back progress that we have made as a nation to diversify the U.S. electricity portfolio.

Historic Impact of PTC Expiration on Annual Wind Installation



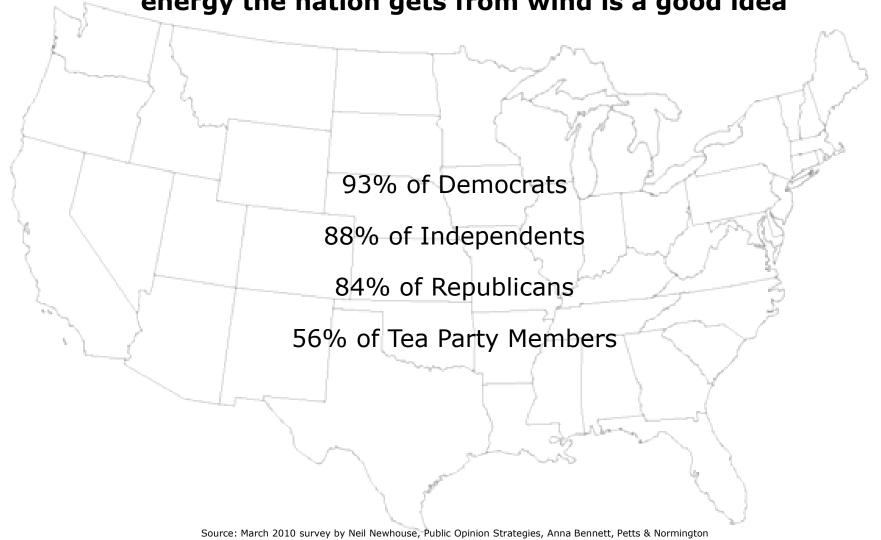


Previous expirations of PTC have affected wind installations considerably. The dramatic increase in US employment by the sector since 2007 means that an expiration now will cost jobs: high quality manufacturing jobs that can revitalize the economy.

AMERICAN VOTERS: MORE WIND, PLEASE

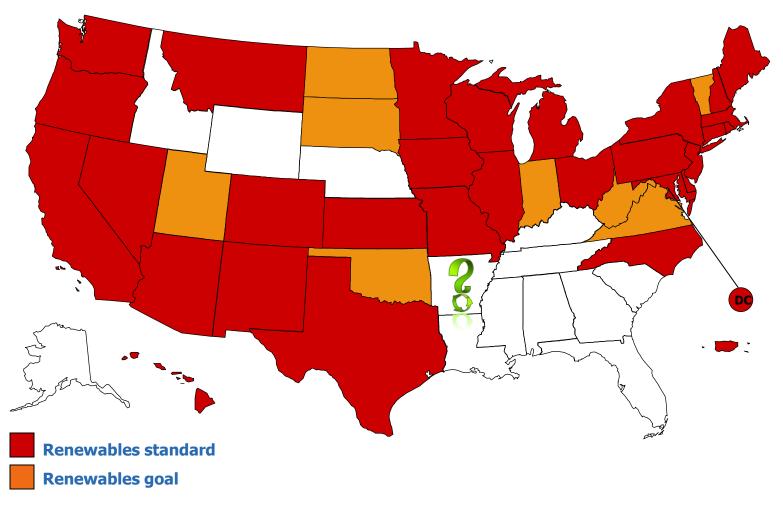


89% of American Voters believe increasing the amount of energy the nation gets from wind is a good idea



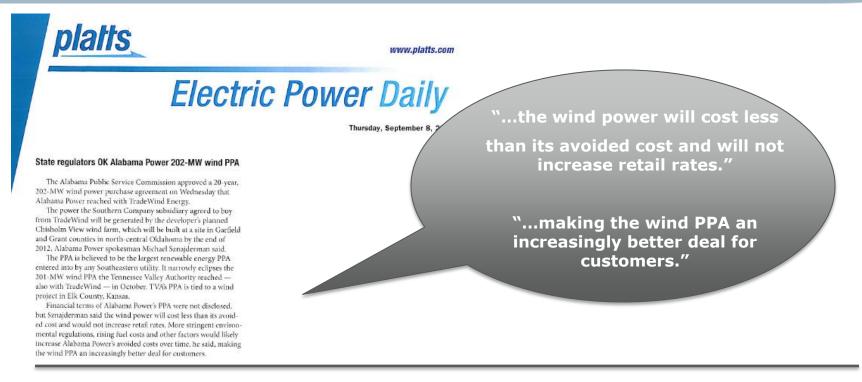


29 States have renewable standards; 8 have renewable goals



Source: Database of State Incentives for Renewables & Efficiency - www.dsireusa.org - June 2011





AEP SWEPCO Signs Wind Power Purchase Agreements

Capacity from wind projects in Texas, Oklahoma and Kansas
energy is being shipped to the South, a region that many have inaccurately assumed cannot benefit from wind lower, at rates that are highly favorable
☐Tennessee Valley Authority has contracts for up to 1,352 MW of wind energy from wind farms in Iowa, North Dakota, South Dakota, Illinois and Kansas
□TVA serves customers in Alabama, Georgia, Kentucky, Mississippi, North Carolina, Tennessee and Virginia

SOUTHERN COMPANY/ALABAMA POWER SIGNS DEAL FOR WIND

202 MW FROM OKLAHOMA



□ "LESS THAN AVOIDED COST, WON'T INCREASE RETAIL RATES"

KEY ELEMENTS:

- □ 20-year Power Purchase Agreement (PPA)
- □ TradeWind Energy's Chisholm View wind farm in north-central Oklahoma, begins commercial operation in Dec 2012
- □ Interconnect directly to transmission line owned by OG&E

ASSUMPTIONS:

Cost of energy at Chisholm View: \$25/MWh

Cost of transmission capacity for 202 MW (based on 100% usage):

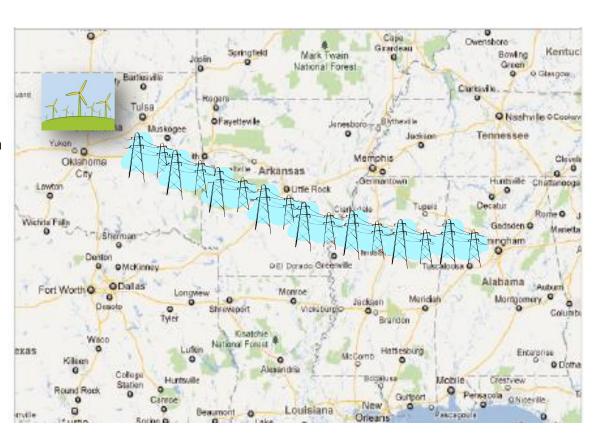
\$7.50/MWh

Cost of transmission capacity (based on 50% usage "capacity factor" for wind): \$15/MWh

Total Cost: \$40/MWh = \$0.04/kWh

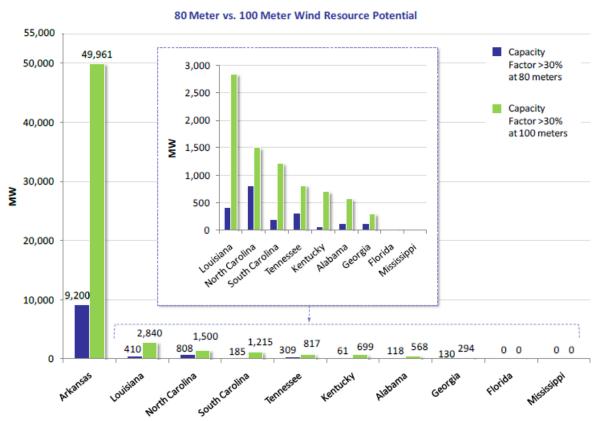
ADVANTAGES:

Guaranteed, known cost, with zero fuel cost for 20+ years
Flexibility to use 50% balance of transmission line (based on a 50% capacity factor for the wind farm) for spot purchases or other less costly electric supply
Diversified generation mix
Hedge against future cost rises and price volatility of fuel and against more stringent environmental regulations



ARKANSAS' OWN RESOURCES: "SOUTH WIND" WIND RESOURCES AT 80 METERS AND AT 100 METERS





Note: *Regional capacity factor calculations based on analysis of 759 MW of wind projects in New York: 1,992 MW in PJM and Iberdrola's 350 MW Desert Wind project in North Carolina Source: National Renewable Energy Laboratory (NREL), IHS Emerging Energy Research

- Up to **9 GW** of wind resources on 80 m hub height
- Up to **50 GW** of wind resources on 100 m hub height
- Up to 27,000 GWh of wind generated electricity covering 58% of current electric demand

ARKANSAS WINS WITH WIND



THE PRESENT

- ☐ Arkansas has chosen wind
 - ☐ LM Wind Power
 - ☐ Mitsubishi Power Systems
 - □ Beckman Vollmer
 - Nordex USA
- Jobs
- New Manufacturing Industry and Supply Chain
- Education and Training for Tomorrow's Workforce
- ☐ International Trade and Exports

THE FUTURE ... DEPENDS ON YOU

- ☐ Arkansas supports the industry it has chosen
 - ☐ Renewable Energy Standard for utilities
 - ☐ Feed-in Tariff
 - ☐ State energy policy with clear targets and goals

Arkansas Wins