

EmPower North Dakota

Shane Goettle

Commerce Commissioner

June 26, 2008

EmPower ND Background

- Governor Hoeven initiated a multi-resource energy strategy in 2001, the original "EmPower ND" policy, as part of his economic development strategy
- Legislature approved HB 1462 (2007) which called for an energy policy commission to develop a comprehensive energy policy for the state

EmPower ND Commission

- Shane Goettle – Commissioner of Commerce
- Ron Day, Tesoro - Refining Industry
- Terry Goerger, Farmer from Mantador - Agriculture industry
- Paul Goulding, Goulding's Oil - Petroleum marketers
- Curtis Jabs, Basin Electric Power Cooperative - Generation and transmission electric cooperatives
- Eric Mack, Archer Daniels Midland - Biodiesel industry
- Ron Ness, North Dakota Petroleum Council
- Mark Nisbet, Xcel Energy - Wind industry
- Randy Schneider, North Dakota Ethanol Producer's Association
- Andrea Stomberg, Montana Dakota Utilities - Investor-owned utilities
- David Straley, North American Coal Corporation - Lignite coal industry
- Sandi Tabor, Lignite Energy Council
- John Weeda, Great River Energy - Biomass industry
- Chuck MacFarlane, Ottertail Power Company - Ex officio member

EmPower ND Process

- Public, informational gathering meetings held around the state in Fargo, Grand Forks, Dickinson, Minot, & Williston.
 - Presentations, SWOT analysis, & public comment
- Working sessions were held in Bismarck & Mandan.
 - Subcommittee meetings held on each section
 - Meetings held with Tax Department on tax related issues

EmPower ND General Principles

- Growing all energy industries
- Sound science and sound economics
- Research and development of new technologies
- Incentives preferred over mandates
- Building upon fair regulatory and friendly business climate
- Environmentally responsible manner

EmPower ND Policy Document

- Policy is comprised of:
 - 21 Goals
 - 40 Policy Statements
 - 98 Action Items
- Recommended Action Items Include:
 - Federal Action
 - Legislative Action
 - Executive Branch Action

EmPower ND Goals

Goal: Double North Dakota's energy production from all sources by the year 2025 to drive economic growth and help the nation achieve greater energy independence.

Goal: Support the nation's 25X25 Initiative to derive at least 25 percent of all energy produced from renewable sources by 2025.

EmPower ND Goals

Goal: Increase installed capacity of wind generation to 1,500 megawatts by 2020 assuming it is cost effective to do so.

Goal: Increase North Dakota's export capacity to 4,000 megawatts.

EmPower ND Goals

Goal: Build one, and possibly more, clean-coal electric generation plants in North Dakota.

Goal: Produce 450 million gallons of ethanol by 2011 and develop both in-state and out-of-state markets for ethanol and associated byproducts.

EmPower ND Goals

Goal: Build new biodiesel plants in North Dakota to produce 135 million gallons by 2015.

Goal: Encourage development of economically feasible refining projects in North Dakota.

EmPower ND Goals

Goal: Be recognized as the 6th largest oil producing state nationally, up from current position as the 8th largest oil producing state.

Goal: Increase the amount of natural gas processed in North Dakota by 64% to 75 billion cubic feet per year by 2012.

EmPower ND Goals

Goal: Retrofit existing electric generation units to meet new environmental standards.

Goal: Facilitate the development of new lignite gasification/liquefaction facilities in North Dakota to produce lignite-to-liquid fuels, hydrogen, and other chemicals or natural gas.

EmPower ND Goals

Goal: Develop commercial biomass production and use in North Dakota. This would include, but not be limited to, efforts in biomass for heating and processing, co-firing of biomass with coal and other fossil fuels, anaerobic digestion, landfill and other waste gas recovery and perennial grass.

Goal: Become a national leader in the development of economically viable, production-scale cellulosic ethanol production facilities.



EmPower ND Goals

Goal: Increase energy efficiency in North Dakota through education and promotion of energy savings best practices and programs.



EmPower ND Goals

Goal: Exceed North Dakota's 1984 historic peak production of 148,000 barrels of oil a day by producing 175,000 barrels a day.

Goal: Sustain a level of oil production of at least 150,000 barrels a day for 10 years.



EmPower ND Goals

Goal: Support a market for all energy products driven by consumer demand.

Goal: Attract a sufficient number of workers to fill energy related jobs due to retirements, attrition and growth within the energy industries.



EmPower ND Goals

Goal: Ensure adequate water, power, and infrastructure for energy development and for the communities in which energy development exists.

Goal: Encourage research and development programs that deal with solar, geothermal, hydrogen, hydro power, pumped storage and other alternative energy sources.



Contact Information

www.ndcommerce.com

Business Hotline: 1-866-4Dakota
701-328-5300

