



"We lead North Dakota's efforts to attract, retain and expand wealth."

EmPower North Dakota

Shane Goettle

Commerce Commissioner

July 8, 2010

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
- Legislature approved HB 1322 (2009) which continued the energy policy commission

EmPower ND Commission

- Shane Goettle – Commissioner of Commerce
- Ron Day, Tesoro - Refining Industry
- Terry Goerger, Farmer from Mantador - Agriculture industry
- Mike Rud, North Dakota Petroleum Marketers Association
- 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, Stanley, Beulah, Velva, Jamestown & Grand Forks.
 - Presentations, SWOT analysis, & public comment
- Working sessions were held in Mandan & Bismarck.
 - Subcommittee meetings were also held on each section

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:
 - 20 Goals
 - 51 Policy Statements
 - 99 Action Items
- Recommended Action Items Include:
 - Federal Action
 - Legislative Action
 - Executive Branch Action

EmPower ND Goals

OVERALL POLICY 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.



EmPower ND Goals

OVERALL POLICY GOALS

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



EmPower ND Goals

OVERALL POLICY GOALS

Goal: Provide a fair and responsible regulatory environment that promotes energy development.

EmPower ND Goals

WIND

Goal: Develop an export market to increase installed capacity of wind generation to 5,000 megawatts by 2020 conditioned upon a prior commensurate increase in North Dakota transmission export capacity and cost-effective and equitable allocation of the associated cost to North Dakota customers.

EmPower ND Goals

TRANSMISSION

Goal: Increase North Dakota's energy export capacity to 7,500 megawatts in coordination with other states and regional planning entities to facilitate permitting, construction and upgrading transmission systems by 2020 provided acceptable cost allocation methodology is developed and approved by FERC.

EmPower ND Goals

LIGNITE AND COAL CONVERSION FACILITIES

Goal: Support the retrofit of existing electric generation units in an economically feasible manner to meet new environmental standards.

EmPower ND Goals

LIGNITE AND COAL CONVERSION FACILITIES

Goal: Build clean-coal electric generation plants in North Dakota.

EmPower ND Goals

LIGNITE AND COAL CONVERSION FACILITIES

Goal: Build new lignite gasification and liquefaction facilities in North Dakota to produce synthetic natural gas, lignite-to-liquid fuels, hydrogen, and other chemicals and co-products.

EmPower ND Goals

ETHANOL

Goal: Produce 450 million gallons of ethanol by 2015 and develop both in-state and out-of-state markets for ethanol and associated co-products while continuing to provide a healthy business environment for the existing facilities.

EmPower ND Goals

BIODIESEL

Goal: Promote the retention and expansion of existing production facilities while working to expand the industry in the state with new facilities by the year 2015. Develop in- and out-of-state markets for biodiesel while continuing to provide a healthy business environment for all biodiesel facilities.

EmPower ND Goals

BIOMASS

Goal: Develop commercial biomass production and use in North Dakota and become a national leader in the development of economically viable, production-scale cellulosic ethanol production facilities.

EmPower ND Goals

ENERGY EFFICIENCY

Goal: Increase energy efficiency in North Dakota through education and promotion of energy savings best practices and programs, as well as conservation measures.

EmPower ND Goals

REFINING

Goal: Encourage the development of economically feasible oil refining and processing projects in North Dakota.

EmPower ND Goals

OIL AND GAS

Goal: Provide a responsible regulatory environment that promotes oil and gas development and maintains the industry's ability to access resources.

EmPower ND Goals

NATURAL GAS PROCESSING

Goal: Expand oil and gas gathering, processing, and export capacity infrastructure to minimize flaring while ensuring industry has adequate time to evaluate and plan infrastructure needs.



EmPower ND Goals

PETROLEUM MARKETING

Goal: Support the marketing of transportation fuels based on consumer demand.



EmPower ND Goals

SOLAR, GEOTHERMAL, HYDROGEN, AND HYDROPOWER

Goal: Support commercial-scale research and development programs for solar, geothermal, hydrogen, hydropower, pumped storage and other alternative energy resources.



EmPower ND Goals

WORKFORCE

Goal: Train more students for energy industry and energy research jobs by building stronger connections between industry and education and improving awareness of energy career opportunities among teachers and career advisors.



EmPower ND Goals

WORKFORCE

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



EmPower ND Goals

INFRASTRUCTURE

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



Contact Information

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