

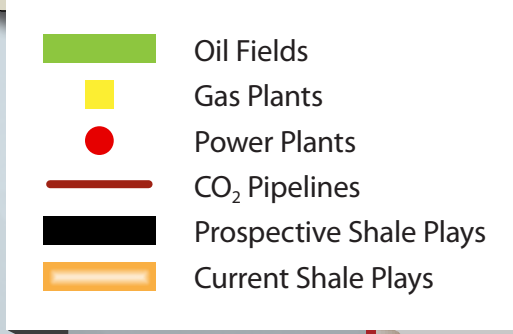
A Regional Vision for Resource Management and Stewardship

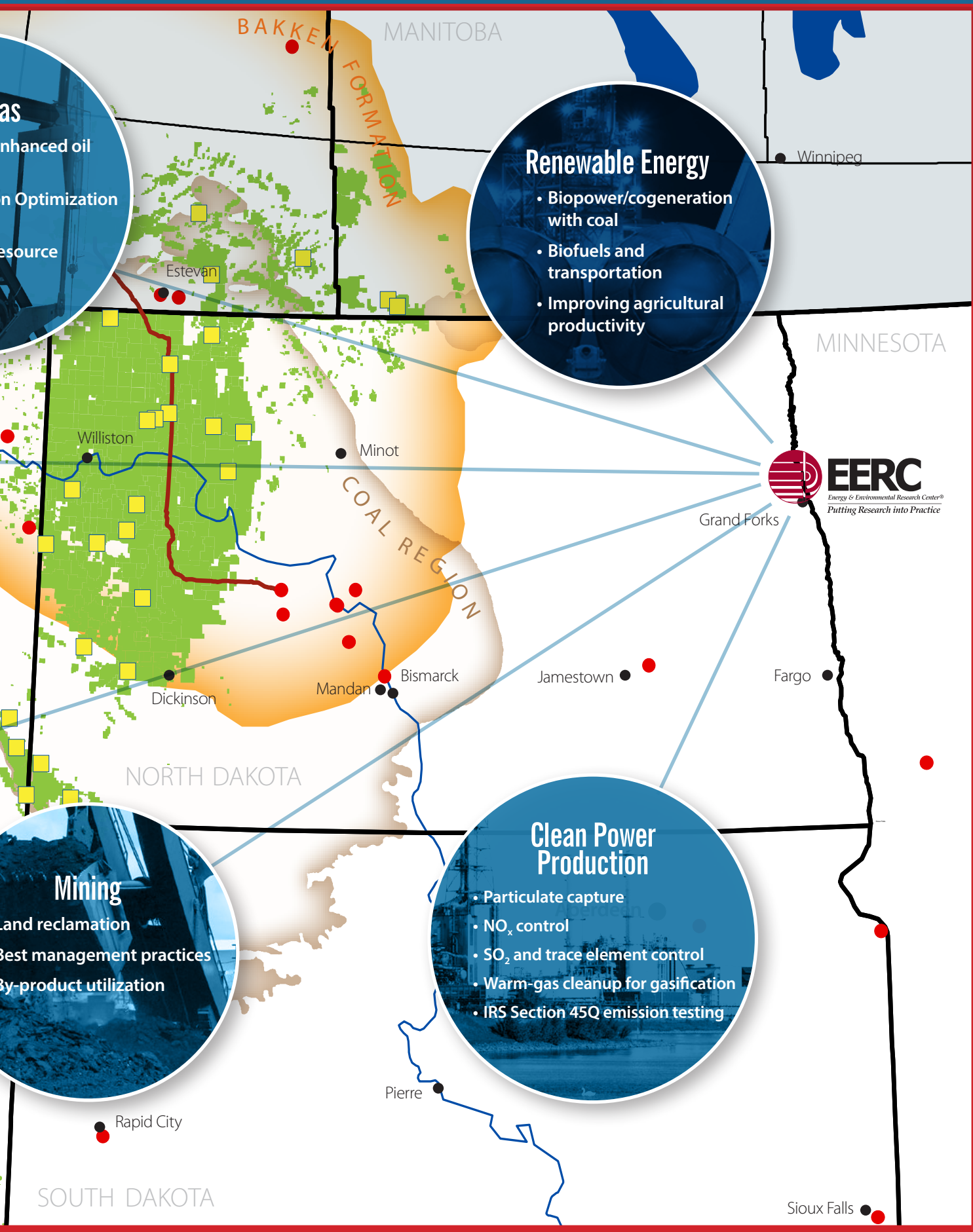
The Energy & Environmental Research Center (EERC)

recognizes that our region is abundant in energy, agriculture, and human resources. Technological integration of our natural resources through scientific research and development is a worthy venture. By integrating these resources, we can help meet the world's growing demands for energy and food through the creation of next-generation energy technologies capable of producing clean power, liquid fuels, and chemical products. The integration of these technological developments and approaches will not only grow the region's vibrant economy but also establish our region as a leader in sustainable energy development.



Our Vision Becomes a Model for the Realization of Energy Opportunities Beyond North Dakota's Borders





as
enhanced oil
n Optimization
resource

Renewable Energy

- Biopower/cogeneration with coal
- Biofuels and transportation
- Improving agricultural productivity

Mining

- Land reclamation
- Best management practices
- By-product utilization

Clean Power Production

- Particulate capture
- NO_x control
- SO₂ and trace element control
- Warm-gas cleanup for gasification
- IRS Section 45Q emission testing



Grand Forks

MINNESOTA

NORTH DAKOTA

SOUTH DAKOTA

Sioux Falls

MANITOBA

BAKKEN FORMATION

COAL REGION

Estevan

Williston

Minot

Dickinson

Mandan

Bismarck

Jamestown

Fargo

Pierre

Rapid City

Winnipeg

A Regional Vision with Global Impact



About the EERC

The EERC is a research, development, demonstration, and commercialization facility recognized as one of the world's leading developers of cleaner, more efficient energy technologies as well as environmental technologies to protect and clean our air, water, and soil. A high-tech, nonprofit branch of the University of North Dakota, the EERC operates like a business.

Featured Programs



PCOR Partnership

The EERC is leading one of the world's largest programs dedicated to developing and demonstrating technologies to reduce CO₂ emissions to the atmosphere from large-scale sources. The PCOR Partnership, made up of more than 100 private and public sector members, is providing data, guidance, and practical experience with carbon capture and storage. The PCOR Partnership region includes all or part of nine states and four Canadian provinces. The PCOR Partnership is one of seven regional partnerships operating under the U.S. Department of Energy National Energy Technology Laboratory's Regional Carbon Sequestration Partnership Program.



PCO₂C

The EERC's PCO₂C Program is demonstrating commercially viable CO₂ separation and capture technologies for fossil fuel- and biomass-fired systems. Working with leading companies in the CO₂ capture area, the PCO₂C Program is providing key technical and economic information that can be used to examine the feasibility of those technologies for commercial deployment.



Bakken Production Optimization Program

The EERC is working with top producers in the oil and gas industry to improve oil recovery in the Bakken system while at the same time reducing its environmental footprint. The program is providing critical solutions for flaring, water, NORM (naturally occurring radioactive material), reclamation, and spills and other wellsite productivity issues affecting all Bakken producers.

For more information, contact:

Thomas A. Erickson

CEO
(701) 777-5153; terickson@undeerc.org

John A. Harju

Vice President for Strategic Partnerships
(701) 777-5157; jharju@undeerc.org

Energy & Environmental Research Center

15 North 23rd Street, Stop 9108
Grand Forks, ND 58202-9018

www.undeerc.org

