

State Energy Research Center

ADVANCING NORTH DAKOTA'S ENERGY FUTURE



PUTTING NORTH DAKOTA ON THE FOREFRONT OF INNOVATION

To keep North Dakota globally competitive while focusing on resource and environmental stewardship, new and more efficient energy technologies and methods are needed. Recognizing this need, the 66th Legislative Assembly of North Dakota, through Senate Bill SB2249, named the University of North Dakota (UND) Energy & Environmental Research Center (EERC) the State Energy Research Center (SERC) of North Dakota. Building on the EERC's long history as a leader in energy research, SERC activities serve North Dakota by developing technologies for a prosperous energy future in the state.



ADVANCING ENERGY OPPORTUNITIES

SERC was given the mandate to provide practical, pioneering technologies and methods to advance North Dakota's energy opportunities and benefit the state's economy and environment.

Through SERC, we're ensuring the state's energy resources and products are at the forefront of innovation, accessible, affordable, environmentally responsible, and clearly understood through education and outreach. This is being done through early-stage research that could ultimately lead to commercial application with public and private sector partners.



THIS RESEARCH IS PRODUCING RESULTS THAT COULD EASILY HAVE

BILLION-DOLLAR EFFECTS ON NORTH DAKOTA'S ECONOMY.

—Tom Erickson

SERC'S RESEARCH FOCUS



INVESTING IN INNOVATION

North Dakota is blessed with abundant energy opportunities, exceptional agricultural production, and a highly skilled workforce. Collectively, these attributes contribute to the state being among the most productive per capita in the nation. To keep North Dakota globally competitive while focusing on resource and environmental stewardship, North Dakota legislators positioned SERC to address the needs of the state and its people.



DISCOVERING NEW OPPORTUNITIES FOR NORTH DAKOTA

Nearly **50 SERC projects** have been initiated over the last two bienniums, already **resulting in 12 new invention disclosures and eight new patent applications.**

ATTRACTING OUTSIDE FUNDING

SERC projects are leading to additional investment in North Dakota. Results from SERC projects to date have **led to more than \$15 million in follow-on work** being proposed, with over **\$6 million secured:** the majority from nonstate entities.

CREATING NORTH DAKOTA ENERGY ADVOCATES

The Energy Hawks Program, funded through SERC, has **supported 56 university students** of all disciplines from UND and four other North Dakota institutions of higher learning to become knowledgeable North Dakota energy advocates and stewards.



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