

State Energy Research Center

ADVANCING NORTH DAKOTA'S ENERGY FUTURE



Putting North Dakota at 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 these needs, in 2019, North Dakota's legislative assembly named the University of North Dakota (UND) Energy & Environmental Research Center (EERC) the State Energy Research Center (SERC). SERC is built on the EERC's long history as a leader in critical energy research, with the purpose of serving North Dakota by developing technologies to ensure a prosperous energy future for the state.

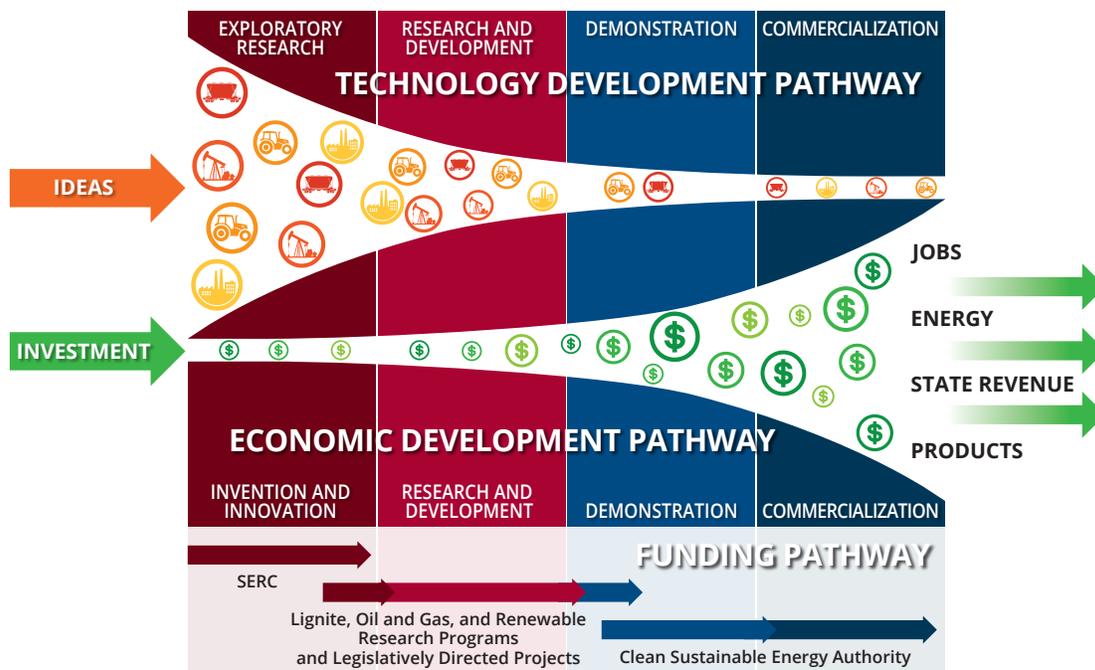
ADVANCING ENERGY OPPORTUNITIES

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, the EERC is ensuring that 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 lead to commercial application with public and private sector partners.



SERC has reignited the spirit of innovation. These transformative projects are poised to drive the development of cutting-edge energy technologies, propelling North Dakota into a future defined by sustainable progress and economic vitality.

—Charlie Gorecki, EERC, CEO



INVESTING IN INNOVATION

North Dakota's energy industries, abundant natural resources, and innovative spirit provide the ideal opportunity for pioneering new technologies. By dedicating funding to fundamental research, North Dakota's legislators have positioned SERC to address the needs of the state and its people.

In the pursuit of discovering new opportunities for North Dakota, more than 60 projects under the SERC umbrella have been funded. These endeavors have already yielded significant results, including 15 new inventions. Furthermore, these projects serve as catalysts for attracting outside funding, with over \$71 million in proposed work and over \$33 million secured, primarily sourced from nonstate entities. Concurrently, initiatives like the Energy Hawks program, backed by SERC funding, have engaged students of various disciplines from five institutions of higher education in the state, equipping them to be informed advocates and stewards of North Dakota's energy landscape.

SERC ACCOMPLISHMENTS

\$71 MILLION

Other
Proposals

\$24 MILLION

Pending
Proposals

\$33 MILLION
New Awards

More than

85 ENERGY HAWKS

from **5** Higher Education Institutions



60+ PROJECTS
Focused on
North Dakota
Energy



3 STATEWIDE EFFORTS

- Grid Resiliency Planning
- Future Grid Optimization
- Bakken CO₂ EOR Assessment

15 NEW INVENTIONS

11 PATENT APPLICATIONS

6 PATENTS GRANTED

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For more information about SERC or other EERC opportunities, contact:

Tyler Hamman

Assistant Vice President

for Strategic Partnerships

701.777.5074 | thamman@undeerc.org

Energy & Environmental Research Center

University of North Dakota

15 North 23rd Street, Stop 9018

Grand Forks, ND 58202-9018

701.777.5000 | eercinfo@undeerc.org

www.undeerc.org/SERC

