



# PCOR

## PARTNERSHIP

### ANNUAL MEETING



**May 24-25, 2022**  
**Marriott Anchorage Downtown**  
**Anchorage, AK**

# 2022

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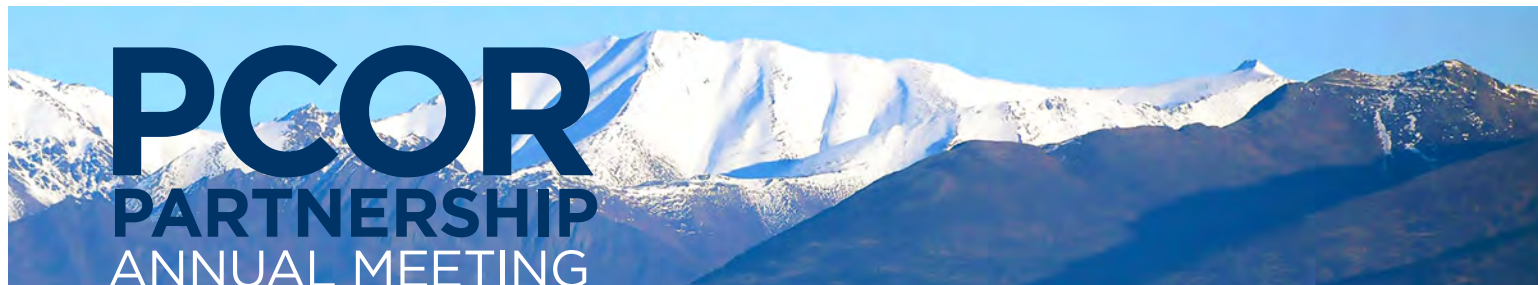


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**Dear Partners and Guests:**

Welcome to the 2022 PCOR Partnership Annual Membership Meeting and thank you for attending!

**Annual Meeting**

The PCOR Partnership Initiative to Accelerate Carbon Capture, Utilization, and Storage (CCUS) Deployment, funded by the U.S. Department of Energy, the North Dakota Industrial Commission, and participating member organizations, fosters the deployment of CCUS in the PCOR Partnership region. The Energy & Environmental Research Center leads the PCOR Partnership Initiative in collaboration with the University of Wyoming and the University of Alaska at Fairbanks.

We strive to engage our partners to ensure the PCOR Partnership Initiative provides the most value for your investment. Your input is a key component in determining the future direction of the industry, our program, and future events, and we look forward to hearing from you throughout the course of this meeting.

**Networking Social Event**

At 49th State Brewing Company, "cultural layers of Alaska unfold around you." It boasts a newly renovated rooftop for dining and drinks that elevates the Alaska experience and overlooks the Cook Inlet and Alaska Range! The event begins at 6:15 p.m. Heavy appetizers will be served. It's just a short walk to the restaurant.

**Special Event Sponsors**

I want to personally thank our special event sponsors for their incredible support. Without their generous contributions, our evening event last night at the Marriott Anchorage Downtown and tonight's networking social event at 49th State Brewing Company would not be possible. This year's special event sponsors include Barr Engineering, CO<sub>2</sub>SeQure (a MicroSeismic, Inc., Company), Computer Modelling Group Ltd., Eagle Operating Inc., KLJ Engineering, the Lignite Energy Council, Minnkota Power Cooperative, the North Dakota Petroleum Council, Rainbow Energy Center, Schlumberger, and STRYDE Limited.

**Event Services**

We wish to make your experience at our meeting as positive and enjoyable as possible, so please contact Janelle or Heather at the registration desk if you have questions or need assistance.

**Following the Meeting**

We value your feedback. Early next week, meeting presentations will be available on our partners-only website, and an e-blast containing a link to the meeting evaluation form will be sent.

Please feel free to contact me anytime with questions or comments regarding the PCOR Partnership Initiative. I can be reached by phone at (701) 777-5236 or by e-mail at [kconnors@undeerc.org](mailto:kconnors@undeerc.org). Again, thank you for your support, and enjoy your stay in Anchorage!

Sincerely,

Kevin C. Connors

PCOR Partnership Program Manager  
Assistant Director for Regulatory  
Compliance and Energy Policy

# AGENDA

## WEDNESDAY, MAY 25, 2022 | PCOR Partnership Annual Meeting (Marriott Anchorage Downtown)

**7:15 a.m.**      **Registration, Networking, and Continental Breakfast** (provided)

**8:00 a.m.**      **Welcome and Introductions**  
Kevin Connors, Energy & Environmental Research Center (EERC)  
Senator John Hoeven (video)

**8:20 a.m.**      **Welcome to Alaska**  
Senator Murkowski (video)

**8:25 a.m.**      **PCOR Partnership Initiative: Building Momentum**  
Kevin Connors, EERC

**8:50 a.m.**      **Alaska: The Next Frontier for CCUS**  
Corri Feige, Alaska Department of Natural Resources

**9:10 a.m.**      **Wyoming Vision for Carbon Management**  
Holly Krutka, University of Wyoming School of Energy Resources

**9:35 a.m.**      **Federal Perspective: An Overview of DOE's Fossil Energy and Carbon Management**  
Sarah Leung, U.S. Department of Energy (DOE)

**10:00 a.m.**      **Break**

**10:30 a.m.**      **Panel: CCUS Supports Existing Energy Infrastructure**  
• Moderator – Charles Gorecki, EERC  
• Stacey Dahl, Minnkota Power Cooperative  
• Tyler Hamman, Basin Electric Power Cooperative  
• Simon O'Brien, Shell  
• Kyle Quackenbush, Tallgrass Energy

**11:30 a.m.**      **Pioneer Award Presentation**  
Charles Gorecki, EERC

**12:00 Noon**      **Group Photo and Lunch** (provided)

**1:30 p.m.**      **Evolution of Carbon Capture**  
• Lynn Brickett, DOE

**1:50 p.m.**      **Panel: Low-Carbon Energy Production Platforms**  
• Moderator – Lynn Helms, North Dakota Industrial Commission  
• John Kremer, Marathon Petroleum  
• Kate Ryan, Denbury, Inc.  
• Steve Swanson, North Shore Energy

**3:00 p.m.**      **Break**

**3:30 p.m.**      **Panel: Stimulate Private Investment in CCUS**  
• Moderator – John Harju, EERC  
• Wade Boeshans, Summit Carbon Solutions  
• Brent Lewis, Carbon America  
• Roger Tullberg, Liberty Media

**4:30 p.m.**      **Wrap-Up with Regional Vision and Announcements**  
Kevin Connors/Dave Nakles, EERC

**5:00 p.m.**      **Adjourn**

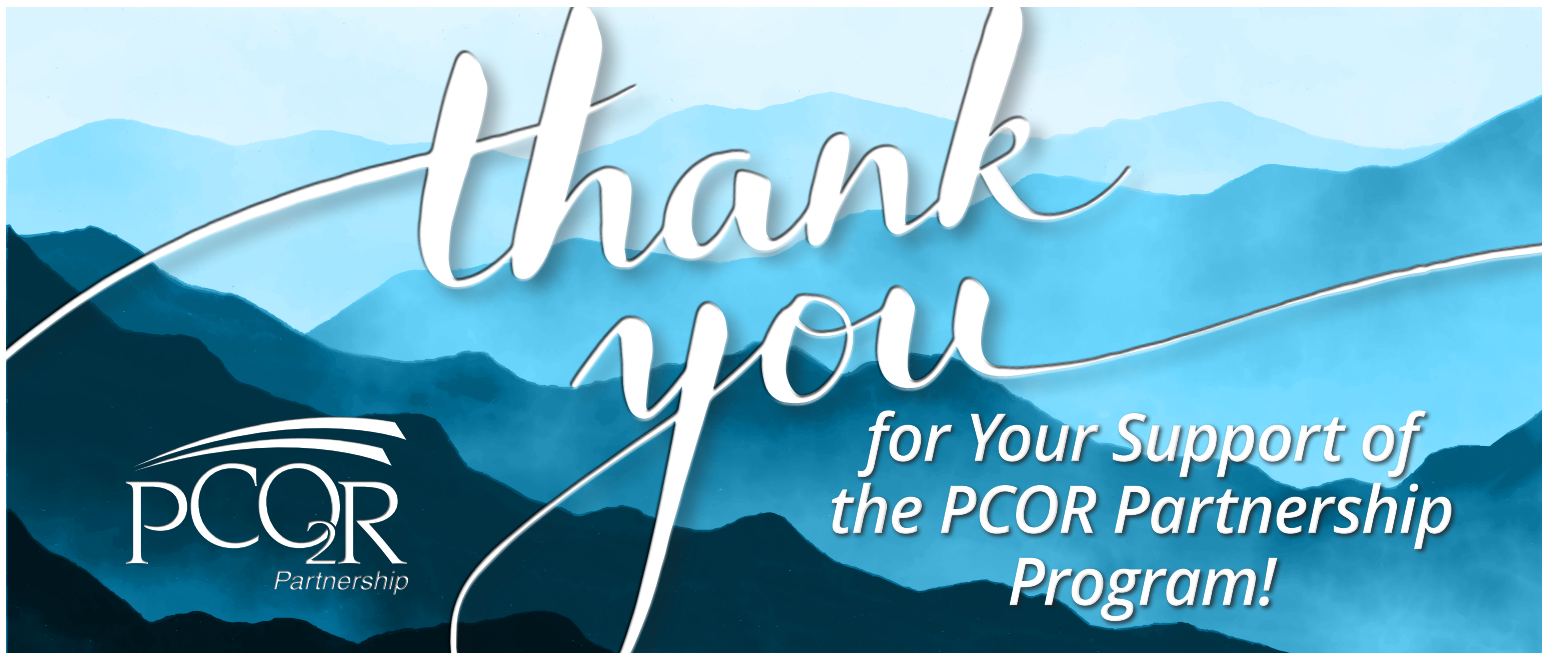
**6:00 p.m.**      **Evening Social Event: 49th State Brewing Company\***

\* Funding for this event provided by private donations from special event sponsors.

# EVENING EVENT

**49<sup>TH</sup> STATE**  
**- BREWING -**

**Evening  
Networking  
Event** *on the roof*



# SPEAKERS



**Mr. Wade Boeshans** is Executive Vice President of Summit Carbon Solutions. Throughout his career, he has led strategic initiatives to reduce the carbon footprint and improve the competitiveness of the operating companies he has managed, including using carbon capture and storage. Most recently, Mr. Boeshans was President and General Manager of BNI Energy. Mr. Boeshans received his undergraduate degree from North Dakota State University and completed the University of Minnesota Carlson School Executive Program. He serves on the North Dakota EmPower Commission. In 2018, he was named Chairman of the Lignite Energy Council. He is Chairman of the Bismarck State College Foundation Board and was appointed to the National Coal Council by the U.S. Secretary of Energy in 2019.

**Ms. Lynn Brickett** is Director of the Point Source Carbon Capture Program in the Office of Fossil Energy and Carbon Management for DOE. Her career has focused on environmental issues associated with fossil fuel-fired power plants, including by-products, water, nitrogen oxides, mercury, and carbon dioxide. Ms. Brickett joined the Office of Fossil Energy almost 3 years ago and was previously at the National Energy Technology Laboratory (NETL) for 18 years, working as the Carbon Capture Technology Manager and Director of the Capture Division. Prior to NETL, she worked for the U.S. Bureau of Mines conducting research on bioleaching of copper ores, bio-oxidation of gold ores, and remediation of acid mine drainage.



**Mr. Kevin Connors** is Assistant Director for Regulatory Compliance and Energy Policy at the EERC, where he works with a multidisciplinary team of scientists, engineers, and business professionals to integrate legal and regulatory policy, economics, and tax perspectives with applied research related to incremental oil recovery, unconventional oil recovery, and CO<sub>2</sub> capture and geologic storage. He is the Program Manager for the Plains CO<sub>2</sub> Reduction (PCOR) Partnership, focused on addressing regional capture, transport, use, and storage challenges facing commercial carbon capture, utilization, and storage (CCUS) deployment. Prior to his position at the EERC, Mr. Connors held several positions with the North Dakota Industrial Commission's Oil and Gas Division, including Carbon Capture and Storage Supervisor, Pipeline Program Supervisor, Underground Injection Control Supervisor, and Petroleum Engineer.

**Ms. Stacey Dahl** is Senior Manager of External Affairs for Minnkota Power Cooperative, based in Grand Forks, North Dakota. Originally from Bismarck, North Dakota, she received her undergraduate degree in Education and her J.D. degree from the University of North Dakota. Ms. Dahl served in the North Dakota House of Representatives from 2005 to 2012. An attorney, she also is a former private practitioner and prosecutor. In addition to overseeing public policy efforts for Minnkota, Ms. Dahl serves on the leadership team, exploring the feasibility of Project Tundra, a proposed carbon capture project at the coal-fired Young Station in Center, North Dakota.



**Ms. Corri Feige**, Alaska Department of Natural Resources Commissioner, is a geophysicist and engineer by training and a positive, enthusiastic leader by nature. She has had a 30+-year global career in the mining, oil and gas, and energy sectors as an exploration geophysicist and business manager. She has more than two decades of management-level experience in the energy industry, with skills in project management, permitting, government and regulatory affairs, stakeholder relations, and remote Alaska logistics. During the past 20 years, she has worked for and on behalf of small and mid-sized independents advancing conventional and nonconventional energy projects on the North Slope, Cook Inlet, and southwest Alaska. Before her appointment as Commissioner, she spent 1½ years as Director of the Division of Oil and Gas.

**Mr. Charles Gorecki** is CEO of the EERC, where he leads a multidisciplinary science, engineering, and support team of more than 260 people focused on research and development (R&D) leading to demonstration and commercialization of innovative energy and environmental technologies. Previously, he served as Director of Subsurface R&D at the EERC, where he developed and managed programs and projects focused on conventional, unconventional, and enhanced oil and gas production; geologic storage of CO<sub>2</sub>; geothermal; and other energy and environmental research. In this role, he served as Program Manager for the PCOR Partnership and the Bakken Production Optimization Program, two major collaborative industry-government programs. Mr. Gorecki also managed projects related to the entire CCUS value chain and conventional and unconventional oil and gas recovery.



# SPEAKERS



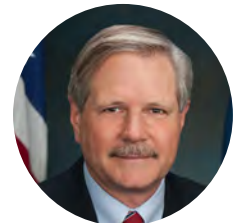
**Mr. Tyler Hamman** is Vice President of Government Relations with Basin Electric Power Cooperative. Prior to joining Basin Electric in 2017, he was the Director of Government Affairs for the Lignite Energy Council as well as Director of the North Dakota Transmission Authority. Mr. Hamman spent several years working on energy and environmental policy in Washington, D.C., as an advisor to House Natural Resources Committee Chairman Doc Hastings and Public Lands and Environmental Regulation Subcommittee Chairman Rob Bishop. He also served as a legislative assistant to Rep. Wally Herger and on the staff of the Senate Energy and Natural Resources Committee under then-Ranking Member Pete Domenici. He is a graduate of Kansas State University.

**Mr. John Harju** is Vice President for Strategic Partnerships at the EERC, where he leads efforts to build and grow dynamic working relationships with industry, government, and research entities globally in support of the EERC's mission to provide practical, pioneering solutions to the world's energy and environmental challenges. He represents the EERC globally in advancing its core research priorities. He serves on the National Coal Council and the National Petroleum Council. He served on DOE's Unconventional Resources Technology Advisory Committee. As an appointee to the Interstate Oil and Gas Compact Commission, he served on its Energy Resources, Research, and Technology Committee and the Carbon Capture and Geological Storage Task Force. He also served on the Board of Governors of Mainstream Investors, LLC.



**Mr. Lynn Helms** is Director of the North Dakota Industrial Commission (NDIC) Oil & Gas Division and Director of the Department of Mineral Resources (DMR). His work in the oil industry began as a roughneck working holidays and summers during college and has taken him all over the world. Most recently, he has served as Director of the NDIC Oil & Gas Division since July 1998 and Director of DMR since it was formed in July 2005. Before moving to Bismarck, North Dakota, to work in state government, he worked as a production engineer, reservoir engineer, and asset team leader on projects in Abu Dhabi, Alaska, Arkansas, Louisiana, Mississippi, Montana, New Mexico, North Dakota, Texas, and Wyoming.

**The Honorable John Hoeven**, North Dakota's 22nd U.S. Senator, began his tenure in January 2011, following 10 years of service as the state's governor. He leads efforts to develop a national energy plan similar to North Dakota's EmPower North Dakota, a comprehensive plan that encourages an all-of-the-above approach to development and includes both traditional and renewable resources. His work includes serving as the leading advocate for approving the Keystone XL pipeline and advancing measures to eliminate outdated and unnecessary regulations that prolong the approval process and discourage investment and innovation. He serves on the Senate Committees on Agriculture, Nutrition, and Forestry; Appropriations (including the Energy and Water Development Subcommittee); Energy and Natural Resources (Energy Subcommittee [ranking member], Water and Power, and National Parks); and Indian Affairs.



**Mr. John Kremer** joined Marathon Petroleum in 2009 as a Pipeline Engineer in Findlay, Ohio. He held a series of positions of increasing responsibility in midstream operations and engineering before returning to Findlay in 2016 in an engineering leadership role. In 2019, he assumed a Coordinating Manager role for the Executive Vice President of Logistics & Storage. In 2021, he was named Director of Strategy and Emerging Opportunities for MPLX, responsible for MPLX strategy and commercial opportunities in the renewables and emerging space. Mr. Kremer graduated from Purdue University with a bachelor's degree in Civil Engineering in 2008. He received his M.B.A. degree from Bowling Green State University in 2012. He became licensed as a Professional Engineer in the state of Indiana in 2014.

**Dr. Holly Krutka** is Executive Director of the University of Wyoming School of Energy Resources, overseeing an interdisciplinary program focused on serving the Wyoming energy sector. She came to the university after serving as the Vice President for Coal Generation and Emissions Technologies at Peabody and previous to that was with Tri-State Generation and Transmission, Shenhua Group, and ADA-Environmental Solutions. Dr. Krutka holds three patents focused on carbon capture, has served in leadership positions in the National Coal Council and the Carbon Utilization Research Council, has participated in the Carbon Capture Coalition, as a judge on the Carbon XPRIZE competition and the Carbon Removal XPRIZE competition, is a board member of the Western Research Institute, and is an ex officio board member of the Wyoming Energy Authority.



# SPEAKERS



**Ms. Sarah Leung** is the Carbon Transport Program Manager with DOE's Office of Fossil Energy and Carbon Management. She graduated from the University of Illinois at Urbana-Champaign with a B.S. degree in Chemical Engineering and a minor in Technology & Management. Ms. Leung is a well engineer with industry and international experience developing exploration and production assets. Now she is focused on utilizing her project delivery and wells knowledge to advance carbon sequestration deployment.



**Mr. Brent Lewis** is Chief Executive Officer and Cofounder of Carbon America. Mr. Lewis has more than 20 years of senior management and C-suite-level experience in investment banking and corporate finance within the renewables/climate, natural resources, and utility industries. He has closed transactions with an aggregate value in excess of \$20 billion. Mr. Lewis has deep experience in all aspects of energy and infrastructure development and finance, including carbon capture and utilization and tax equity. He holds a B.A. degree in Economics from Western University and an M.B.A. from the Kellogg School of Management.



**The Honorable Lisa Murkowski**, Alaska's senior U.S. Senator, is a leader on energy and public lands issues and supports the safe and efficient production and use of all forms of domestic energy as well as research to help develop emerging technologies. She continues to pursue policies to advance renewable energy, increase energy efficiency, and make America's energy cleaner, more affordable, and more reliable. She is a member of the Senate Appropriations Committee (including Subcommittee on Energy and Water Development); ranking member of the Interior – Environment Subcommittee; member of the Senate Energy and Natural Resources Committee; member of the Senate Health, Education, Labor & Pensions Committee; and Vice Chairman of the Senate Indian Affairs Committee.



**Dr. David Nakles**, Principal Environmental Engineer at the EERC, supports projects related to CO<sub>2</sub> enhanced oil recovery (EOR), geologic CO<sub>2</sub> storage, unconventional oil and gas production, and chemical contamination of environmental media. He leads programmatic and technical risk assessments, reviews and assesses regulatory developments, and contributes to best practice manual development. His +40-year career in environmental consulting has focused on risk-based environmental management of soil and sediment impacted with residuals from extraction and processing of coal, oil, and natural gas. He has implemented numerous consulting projects for gas and electric utility industry companies and led several multiyear, multidisciplinary research projects supported by industry trade organizations. Most recently, he has engaged in research focused on assessment of risk and monitoring of geologic storage of CO<sub>2</sub> and mixed acid gases.



**Dr. Simon O'Brien** is Global CCS Deployment Lead at Shell, leading or supporting delivery of CCS (carbon capture and storage) projects worldwide. He is responsible for storage exploration and appraisal, technical assurance, integration, technology maturation, helping shape the CCS research agenda, and developing competencies and capacity within Shell. Prior to this role, he spent 6 years as Quest's Subsurface Manager, overseeing storage aspects of the Quest CCS project in Canada, working to get the facility up and running and ensuring smooth commercial operations. He joined Shell in 1997, working in seismic processing, new technology development, depth imaging, and quantitative interpretation for almost 20 years. Dr. O'Brien has B.Sc. and Ph.D. degrees from Memorial University of Newfoundland and an M.Sc. degree from the University of British Columbia, all in Geophysics.



**Mr. Kyle Quackenbush** is the Segment President of Liquids at Tallgrass Energy, where he oversees the company's carbon dioxide transportation and sequestration projects. Mr. Quackenbush has spent his career in the midstream energy industry, with specific experience in asset origination, business development, finance, and analysis for multiple asset platforms across the country. He earned his M.B.A. degree from the Leeds School of Business at the University of Colorado and his undergraduate degree from Wheaton College.

# SPEAKERS



**Ms. Kate Ryan**, Vice President – Gulf Coast Region, joined Denbury in October 2015. Prior to being named Vice President, she served as Director, Reservoir Engineering, as well as in asset management and various reservoir engineering roles for Denbury. Before joining Denbury, Ms. Ryan worked on EOR projects in various stages of development for ConocoPhillips and C12 Energy. She also spent time working on unconventional projects for Chesapeake Energy. Ms. Ryan earned her B.S. degree in Chemical Engineering from the University of Texas.

**Mr. Steve Swanson** is CEO of North Shore Energy, LLC, an upstream E&P operator with production in the Green River Basin and Overthrust areas in southwestern Wyoming. North Shore is backed by Yorktown Partners, and Mr. Swanson has successfully managed six companies for Yorktown over the past 30 years. He holds Economics and Philosophy degrees from the University of Michigan and J.D. and M.B.A. degrees from the University of Denver. Throughout his career, he has managed both service (Boots & Coots) and upstream operations in many U.S. basins. Over the past decade, he has focused on bringing new technology to the oil field, including water treatment (Altela) and H<sub>2</sub>S treatment (SulfurCycle). His current focus is on bringing CCUS to depleted oil fields and repurposing them for sequestration and long-term CO<sub>2</sub> storage.



**Mr. Roger Tullberg** is a Renewable Energy Consultant and Project Manager for Liberty Media Corporation, where he helps find, negotiate, and manage renewable energy and other tax-advantaged projects. Liberty Media is a collection of public companies and tracks stocks that include QVC, the Atlanta Braves, and Formula One Racing. Mr. Tullberg has worked for Liberty Media for over 15 years, leading its effort to acquire and manage over \$1 billion in tax equity investments in wind, solar, and other tax-advantaged investments. Liberty Media works on several carbon projects as a tax equity investor and hopes to have one or more projects sequestering CO<sub>2</sub> this year. Previously, Mr. Tullberg developed and managed renewable and alternative energy projects for State Street Bank, FMR Corporation, and Conoco.

thank  
you

The EERC wants to thank all of the speakers for taking the time to share their *knowledge and experience* with the members of the PCOR Partnership.

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# PARTNERS

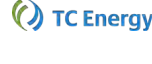


North Dakota  
Industrial Commission



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School of  
Energy Resources





**THE PCOR PARTNERSHIP PROGRAM** was formed in 2003 as part of DOE's Regional Carbon Sequestration Partnership (RCSP) Program, comprising distinct program phases intended to build regional expertise to advance CCUS:

Phase I (2003–2005): **Characterization** of regional CCUS potential to establish a technical foundation  
 Phase II (2005–2009): **Validation** of storage potential through small-scale field validation projects  
 Phase III (2007–2019): **Demonstration** of large-scale field projects storing at least 1 million metric tons

In 2019, the PCOR Partnership launched the Initiative to Accelerate Commercial **Deployment** of CCUS, with support from the University of Alaska Fairbanks and the University of Wyoming. The PCOR Partnership is funded by DOE, the North Dakota Industrial Commission, and over 220 participating member organizations and is addressing regional capture, transport, use, and storage challenges facing commercial CCUS deployment.



### What does it mean to be a PCOR Partnership partner? It means:

- Your priorities are our priorities!
- You play a key role in identifying and addressing challenges facing commercial CCUS deployment.
- Your expertise is invaluable to our future success.
- You inform the direction of our work!

### Want to become a partner or be more involved as an existing partner? Please contact:

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