



TENTH
ANNUAL

PCOR PARTNERSHIP MEETING AND WORKSHOP

September 11–13, 2012

InterContinental Hotel
Milwaukee, Wisconsin

MILWAUKEE

FINAL PROGRAM



THANK YOU to Our Special Event Sponsors



AGENDA

Annual Meeting Day 1

Wednesday, September 12, 2012

8:30 a.m. **Registration and Opening Remarks** (continental breakfast provided)

9:00 a.m. Introductions, Goals, and Objectives

John Harju, EERC



9:30 a.m. U.S. Department of Energy National Energy Technology Laboratory (NETL) Carbon Storage Program

Bruce Brown, NETL



10:00 a.m. **Break**

10:30 a.m. Southeast Regional Carbon Sequestration Partnership (SECARB) Carbon Management Program

Gerald Hill, Southern States Energy Board



11:00 a.m. PCOR Partnership Technical Advisory Board: A Chairman's Perspective

Bill Jackson, BillyJack Consulting Inc.



11:15 a.m. PCOR Partnership Program: 2012 and Beyond!

Charles Gorecki, EERC



12:00 Noon Group Photo and Lunch (provided)

1:00 p.m. **Four Generations in the Workplace**

Amy Lynch, BridgeWorks LLC

Amy Lynch specializes in high-energy, interactive keynotes and workshops that help companies align and engage all generations. A Baby Boomer herself, she understands the differences between generations as well as the key needs and values that bring them together. She helps leaders, managers, and coworkers understand how to turn generational awareness into action, providing practical solutions for how to recruit, retain, train, engage, and communicate with all four generations more effectively.

Funding for this speaker is provided by private donations from special event sponsors.





Annual Meeting Day 1 (continued)

Wednesday, September 12, 2012

2:30 p.m.

CO₂ Capture Status Update

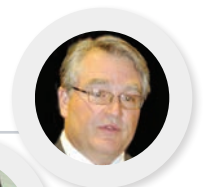
Michael Holmes, EERC



2:45 p.m.

The Status of a Carbon Capture, Utilization, and Storage (CCUS) Industry in the United States and Canada

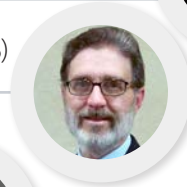
Michael Moore, North American Carbon Capture and Storage Association



3:00 p.m.

Federal and State Regulatory Challenges to Carbon Capture and Storage (CCS)

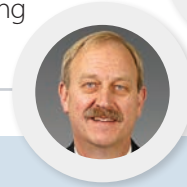
Lynn Helms, North Dakota Department of Mineral Resources



3:15 p.m.

U.S. Environmental Protection Agency Greenhouse Gas Reporting Rules and the Effect on Western Coals

Michael Jones, Lignite Energy Council



3:30 p.m.

Break

4:00 p.m.

Panel Discussion: Relevant Technologies for CCS

John Harju, Facilitator

James Erdle, Computer Modelling Group

Mark Holtz, Praxair

Dwight Peters, Schlumberger Carbon Services

Kirk Trujillo, Halliburton

Paul Williams, Baker Hughes



5:00 p.m.

Wrap-Up and Announcements

Charles Gorecki, EERC

5:15 p.m.

Adjourn

6:00 p.m.

Load Buses (please meet in the main lobby)

6:30 p.m.

Evening Event and Pioneer Award Presentation at Harley-Davidson Museum® (transportation and dinner provided)

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



Annual Meeting Day 2

Thursday, September 13, 2012

8:30 a.m. Welcome and Opening Remarks (continental breakfast provided)
Charles Gorecki, EERC

9:00 a.m. Denbury Resources: An Oil-Focused Strategy
Mike Blincow, Denbury Resources Inc.

9:30 a.m. Bell Creek Integrated Enhanced Oil Recovery and CO₂ Storage Project
James Rawson, Denbury Resources Inc.

10:00 a.m. Fort Nelson CCS Feasibility Project
David Moffatt, Spectra Energy Transmission

10:30 a.m. Break

11:00 a.m. Quest CCS Project
Steven Peplinski, Shell Canada Ltd.

11:30 a.m. Weyburn–Midale CO₂ Monitoring and Storage Project Update
Neil Wildgust, Petroleum Technology Research Centre

12:00 Noon Meeting Wrap-Up, Comments, and Announcements
Charles Gorecki, EERC



*Thank you for your support of the
PCOR Partnership Program!*

ANNUAL MEETING SPEAKERS

Bruce Brown

National Energy Technology Laboratory

Mr. Bruce Brown is the Infrastructure Coordinator for the Carbon Storage Division at the U.S. Department of Energy National Energy Technology Laboratory (NETL) as well as the Federal Project Manager for the Southeast Regional Carbon Sequestration Partnership (SECARB). Prior to joining NETL, Mr. Brown was a contractor for NETL as the Task Manager for the Strategic Center for Natural Gas and Oil contracts, working for SAIC. Mr. Brown also spent 17 years as a consultant for several companies, including Bayer, Alcoa, PPG, Merck, and others, managing environmental projects, and has extensive experience in environmental investigations and remediation throughout the United States. Mr. Brown also has 8 years of experience in petroleum exploration, primarily in the Rocky Mountain basins in Colorado, Wyoming, and Utah while working for Coastal Oil and Gas Corporation. Mr. Brown earned his B.S. degree in Geology at Indiana University of Pennsylvania and his M.S. degree in Engineering Management at Robert Morris University.

Mike Blincow

Denbury Resources Inc.

Mr. Mike Blincow holds a bachelor's degree in Petroleum Engineering from Texas A&M University. He has a broad experience base working as a reservoir/reserves engineer and in project and operations management and business development. Mr. Blincow started his career with Enserch Exploration; joined Oxy in 1995 and worked for them for 13 years, primarily in the Middle East and Asia; and has been with Denbury for 4 years. With Denbury, Mr. Blincow has been Reserves Manager, West and North Regions Operations Manager and, most recently, the Director of Anthropogenic CO₂ Supply, a position he has held since March 2011. In his current position, Mr. Blincow is responsible for acquisition of new anthropogenic sources of CO₂ for enhanced oil recovery (EOR), participates in government relations efforts related to CO₂ EOR and sequestration, and manages the various U.S. Department of Energy contracts for Denbury.

James Erdle

Computer Modelling Group

Dr. Jim Erdle is Computer Modelling Group's (CMG's) Vice President for Software Sales and Support for the USA and Latin America. He has 38 years of industry experience, primarily in reservoir- and production engineering-related positions within the services and software segments of the E&P industry since graduating from Penn State with B.S. and Ph.D. degrees in Petroleum Engineering. Early in his career, Dr. Erdle was involved with some of the industry's leading advances in well testing design, monitoring, and interpretation technology, including

closed-chamber and surface pressure readout (SPRO) drill stem testing, production enhancement via NODAL analysis, stimulation treatment design and monitoring techniques, and production surveillance software (The Production Analyst, which was the predecessor to OFM). Dr. Erdle joined CMG in May 1997 and by October of that year had opened CMG's USA office in Houston. Since then, he has been responsible for expanding CMG business in the USA, in the GCC countries of the Middle East (2003–2008), and since being promoted to Vice President in June 2008, in South/Latin America. Dr. Erdle has been directly involved in improvements to CMG's technology, including the workflows available within CMG's products used to build, run, and analyze dynamic reservoir simulation models (BUILDER and RESULTS) and, most recently, CMG's new tool for aided history matching and optimization (CMOST). CMG has been providing advanced reservoir flow simulation software since 1978 for modeling primary, secondary, and tertiary recovery processes in conventional oil and gas reservoirs and in unconventional resources, such as heavy oil reservoirs, coal seams, oil and gas shales, and natural gas hydrate formations. CMG's software is also used to model environmental remediation processes (e.g., thermal desorption) and CO₂ and acid gas sequestration in oil reservoirs, coal seams, and saline aquifers.

Charles Gorecki

Energy & Environmental Research Center

Mr. Charles Gorecki is a Senior Research Manager at the Energy & Environmental Research Center (EERC), where he is responsible for developing and managing programs and projects focused on CO₂ enhanced oil recovery (EOR) and the geologic storage of CO₂. He currently serves as the Program Manager for the PCOR Partnership, one of seven regional partnerships funded by the U.S. Department of Energy's National Energy Technology Laboratory Regional Carbon Sequestration Partnership Program. The PCOR Partnership Program is a three-phase, multiyear, multimillion-dollar program, focused on assessing the technical and economic feasibility of capturing and storing CO₂ emissions from stationary sources in the northern Great Plains and adjacent area. Under this program, Mr. Gorecki leads a multidisciplinary team of researchers working primarily on developing monitoring, verification, and accounting concepts and technologies for large-scale CO₂ storage (>1 million tons per year) in deep saline formations and oil fields and the characterization of the geologic formations in the PCOR Partnership region in preparation for the implementation of the commercial deployment of carbon capture and storage (CCS). Mr. Gorecki also serves as the technical lead on the EERC's geologic modeling and simulation efforts, coordinating a multidisciplinary team to develop detailed geologic models and run predictive simulations for CO₂

storage, CO₂ EOR, and unconventional oil and gas plays. Mr. Gorecki's principal areas of interest and expertise include EOR and the geologic storage of CO₂, specifically in the areas of reservoir and simulation engineering. He has also recently led national and international efforts in developing CO₂ storage capacity estimates in deep saline reservoirs and on the nexus of water and CCS. Mr. Gorecki has authored and coauthored many papers and given presentations on a variety of topics associated with CO₂ EOR and CO₂ storage in the United States and throughout the world. He holds a B.S. degree in Geological Engineering from the University of North Dakota.

John Harju

Energy & Environmental Research Center

Mr. John Harju is the Associate Director for Research at the Energy & Environmental Research Center (EERC), where he oversees the activities of a science and engineering team focused on research, development, demonstration, and commercialization of energy and environmental technologies. Strategic energy and environmental issues include zero-emission coal utilization; CO₂ capture and sequestration; energy and water sustainability; hydrogen and fuel cells; advanced air emission control technologies; renewable energy; wind energy; water management; flood prevention; global climate change; waste utilization; energy efficiency; and contaminant cleanup. In this capacity, he oversees the activities of specific initiatives including the PCOR Partnership. Mr. Harju serves on the U.S. Department of Energy's Unconventional Resources Technology Advisory Committee, which provides advice to the Secretary of Energy on the development and implementation of activities related to unconventional natural gas and other petroleum resources. In addition, he currently chairs the Interstate Oil and Gas Compact Commission (IOGCC) Energy Resources, Research, and Technology Committee and serves on IOGCC's Carbon Capture and Geological Storage Task Force.

Lynn Helms

North Dakota Industrial Commission

Mr. Lynn Helms' work in the oil industry has taken him all over the world. Most recently, he has served as the Director of the North Dakota Industrial Commission Oil & Gas Division since July 1998 and Director of the Department of Mineral Resources since it was formed in July 2005. Before moving to Bismarck to work in state government, Mr. Helms 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. He earned his B.S. degree in Engineering from South Dakota School of Mines and Technology.

Gerald Hill

Southern States Energy Board

Dr. Gerald (Jerry) Hill spent several years as Director of Technology Programs for the Southern States Energy Board (SSEB) and currently serves as Senior Technical Advisor to SSEB. He is the technical coordinator for the Board's carbon dioxide capture, utilization, and storage (CCUS) programs. In addition, Dr. Hill is a consultant to RTI International on its warm-gas cleanup and carbon capture project at Tampa Electric's Polk County, Florida, site and to the Virginia Center for Coal and Energy Research at Virginia Tech on its enhanced coalbed methane recovery and carbon storage project. Dr. Hill has extensive experience in CCUS collaboration and knowledge sharing, including the U.S. Department of Energy's Regional Carbon Sequestration Partnerships, the Southeast Regional Carbon Sequestration Partnership (SECARB) and its SECARB-Ed training program, the European CCS Demonstration Project Network, the Carbon Sequestration Leadership Forum, and the Global CCS Institute. Dr. Hill has over 30 years of experience with the petroleum and electric utility industries and has a doctorate degree in Civil and Environmental Engineering from the University of Iowa. He is an Adjunct Professor of the Department of Environmental Engineering and Science in the College of Engineering and Science at Clemson University in South Carolina. His experience includes bank consultant on energy and environmental investments, permitting, and regulatory affairs for an investor-owned utility; officer and partner in cogeneration and independent power development projects; and director of regulatory affairs for an integrated oil and gas company.

Michael Holmes

Energy & Environmental Research Center

Mr. Michael Holmes is a Deputy Associate Director for Research at the Energy & Environmental Research Center (EERC), where he currently oversees fossil energy research areas. Mr. Holmes' principal areas of interest and expertise include emission control; fuel processing; production of syngas for coproduction of hydrogen, power, fuels, and chemicals; and process development and economics for advanced energy systems. Mr. Holmes has extensive experience in development of emission control technologies, including particulate control, SO₂, NO_x, trace metals, and CO₂. In addition, he is the Program Manager of the National Center for Hydrogen Technology® at the EERC and is working under agreement with the U.S. Department of Energy National Energy Technology Laboratory and over 85 partners to develop a broad range of technologies required to advance the opportunities for hydrogen.

Mark Holtz

Praxair

Mr. Mark Holtz is a reservoir engineer and geologist with over 25 years of oil and gas research and industry experience as a scientist at the University of Texas at Austin and currently as Director of International Business Development, Enhanced Oil Recovery, for Praxair. His expertise focuses on integration

of geologic concepts and engineering methods in both carbonate and sandstone oil and gas reservoirs to improve oil and gas recovery. Mr. Holtz's engineering skills have been broadly applied in oil and gas projects throughout Texas, as well as siliciclastic sequences in the Australian Cooper and Eromanga Basins, Venezuela, Argentina, Mexico, India, China, and Vienna Basin. His enhanced oil recovery experience has focused on CO₂ and N₂ gas displacement recovery. He received the West Texas Geological Society Distinguished Service award in 2002 and has published extensively as an author or coauthor in the form of University of Texas monographs and reports, technical papers, and abstracts on reservoir characterization and enhanced/improved oil and gas recovery topics. He has taught numerous short courses in the form of DOE technology transfer courses, public continuing education, university classes, and in-house oil company courses, in Australia, Argentina, the United States, Mexico, Columbia, China, and Venezuela. He holds a bachelor's degree in Geology from the University of Wisconsin, Madison, and bachelor's and master's degrees in Petroleum Engineering from the University of Texas, Austin. He serves as a reservoir engineering technical editor for the Society of Petroleum Engineers.

Bill Jackson **BillyJack Consulting Inc.**

Mr. Bill Jackson is a professional engineer with over 40 years of experience in the oil and gas industry who retired from Apache Canada in mid-2011. During his time at Apache Canada, Mr. Jackson managed the commercial aspects of the Midale CO₂ EOR Project in Saskatchewan as well as the Zama Acid Gas EOR Project in northern Alberta. Mr. Jackson was one of the initial recipients of the Plains CO₂ Reduction (PCOR) Partnership CCS Pioneer Award, recognizing pioneering efforts in CO₂ sequestration. Upon retirement, Mr. Jackson formed a persona consulting company, BillyJack Consulting Inc., and currently is under contract with the Energy & Environmental Research Center to provide consulting services supporting the general areas of carbon capture and storage (CCS) and CO₂-based enhanced oil recovery (EOR). Mr. Jackson was appointed to the PCOR Partnership Technical Advisory Board in 2011 and appointed its first Chair at that time.

Michael Jones **Lignite Energy Council**

Dr. Mike Jones is the Vice President of Research and Development for the Lignite Energy Council and is the Technical Advisor to the North Dakota Industrial Commission. Dr. Jones has been a Senior Research Advisor at the Energy & Environmental Research Center and an Adjunct Professor of Physics at the University of North Dakota. He received his Ph.D. and M.S. degrees in Physics at the University of North Dakota and his B.S. degree in Physics from Bemidji State University. A Minnesota native, Dr. Jones joined the Lignite Energy Council in 2009.

Amy Lynch **BridgeWorks, LLC**

Ms. Amy Lynch specializes in high-energy, interactive keynotes and workshops that help companies align and engage all generations. A Baby Boomer herself, she understands the differences between generations as well as the key needs and values that bring them together. She helps leaders, managers, and coworkers understand how to turn generational awareness into action, providing practical solutions for how to recruit, retain, train, engage, and communicate with all four generations more effectively. Her work is based on hundreds of interviews, focus groups, and surveys with the Traditionalists, Boomers, Generation Xers, and Millennials who make up today's workforce. For more than 10 years, Ms. Lynch has been researching the generations and wrote the award-winning book "How Can You Say That?" Today, she brings her deep understanding of the psychology and work ethic of each generation to the workplace. Ms. Lynch has received rave reviews from clients such as MTV, Comcast, and RSM McGladrey. Her ideas have been featured in *USA Today*, the *Boston Globe*, the *Chicago Tribune*, the *Dallas Morning News*, the *Washington Post*, and the *Atlanta Journal Constitution* and on NBC Nightly News, among others.

David Moffatt **Spectra Energy Transmission**

Mr. Dave Moffatt is a Senior Project Manager with specific responsibility for managing the subsurface sequestration components of Spectra Energy's Fort Nelson Carbon Capture and Storage Project. His role includes overseeing a multidisciplinary team working on site selection, geological characterization, and well testing. He is a professional engineer with over 33 years of experience in the upstream and midstream sectors of the oil and gas industry. For the past 18 years, he has been involved in the successful development and commercialization of three major gas storage facilities in Alberta and in the development of large-scale carbon capture and storage. He holds a Bachelor of Applied Science degree in Geological Engineering from the University of Toronto, Ontario, and is a member of the Association of Professional Engineers, Geologists, and Geophysicists of Alberta.

Michael Moore **Blue Source, LLC**

Mr. Michael Moore is Vice President of Business Development and External Affairs for Blue Source, LLC, where he is focusing on the development of commercial carbon capture and storage (CCS) opportunities as well as advocacy work related to climate change, energy resources, and CCS legislation at the federal and state level. He has nearly 30 years of energy commodity and derivatives (oil, gas, power, carbon) experience in brokering, marketing, business, and strategy development. He is a founding board member and officer of the Texas Carbon Capture and Storage Association, the Executive Director of The North American Carbon Capture

Storage Association, a founding board member for The Coalition for Commodity CO₂, recently an active member of the Strategic Planning Committee of the Florida Natural Gas Association, and past retained advisor to the Gulf Coast Carbon Center. Currently, Mr. Moore is a member of the International Oil and Gas Compact Commission Pipeline Transportation Task Force and the Program Director for the Annual CO₂-EOR Carbon Management Workshop. He has participated in CCS and energy-related events at the U.S. Department of Energy National Energy Technology Laboratory, the World Energy Council, the Department of Defense, UN Energy and Transport, the International Energy Agency, the Society of Petroleum Engineers, the American Association of Petroleum Geologists, the World Resources Institute, and the Carbon Sequestration Leadership Forum. Prior to Blue Source, Mr. Moore was the Director of Marketing for Falcon Gas Storage, the largest independent owner, operator, and developer of natural gas storage facilities in the United States, utilizing depleted oil and gas reservoirs.

Steven Peplinski **Shell Canada Ltd.**

Since 2000, Mr. Steven Peplinski has been a Project Engineer or Project Manager for Shell Canada and Fluor Canada Limited. He is Resident Engineering Team Manager responsible for leading a multidisciplinary team of engineers and the primary engineering, procurement, and construction contractor in preparing the technical deliverables for the Quest Project. This includes concept definition, cost estimating, and execution planning to ensure reliable and cost-efficient operability of facilities. Engineering design activities included submittal of regulatory amendment applications; completion of health, safety, and environment in design activities; and procurement of major equipment such as the CO₂ compressor. Mr. Peplinski brings more than 15 years of project engineering and design experience to the Quest team, including preparing project execution plans, tracking and managing project schedules and costs, risk management planning, and overseeing preparation of design deliverables and documentation. As a design engineer, he has conducted reliability assessments and has experience with construction field engineering, welding engineering, specification writing, piping practices, basic process engineering, equipment procurement, and materials selection. Mr. Peplinski has broad work experience on major oil and gas developments in northern Alberta and other projects. He holds a General Management Certificate from the University of Calgary, Alberta, and a B.A.Sc. degree in Mechanical Engineering from the University of Waterloo, Ontario. He is a member of the Association of Professional Engineers, Geologists, and Geophysicists of Alberta.

Dwight Peters **Schlumberger Carbon Services**

Mr. Dwight Peters is the North America Business Manager for Schlumberger Carbon Services, formed in 2005 to develop and offer technologies and services for the geologic storage

of carbon. He has been with Schlumberger for over 25 years, starting with geophysical and technical assignments in the oil field. Since 2007, he has been responsible for representing Schlumberger at all seven U.S. Department of Energy regional partnerships, investigating the technology needs and business opportunities for future carbon sequestration projects. Mr. Peters holds bachelor's degrees in both Physics and Mechanical Engineering.

James Rawson **Denbury Resources Inc.**

Mr. Jim Rawson has a degree in Geology from the University of Wisconsin – Platteville and an MBA from the University of Colorado. His work experience includes working as a Field Logging Engineer for Birdwell Division of Seismograph Service Corporation; as an Exploration Geologist for Gulf Oil Corporation (now Chevron) and Coastal Oil and Gas; as a Development Geologist for Energy Management Corporation, Union Pacific Resources, and Encore Acquisition Corporation; and presently as a Senior Geologist for Denbury Resources. Mr. Rawson's geologic career has taken him from his home state of Wisconsin to Illinois, Michigan, Wyoming, Colorado, and Texas. He is a Licensed Professional Geologist in Texas and a member of AAPG (American Association of Petroleum Geologists), the Dallas Geological Society, and the Fort Worth Wildcatters.

Edward Steadman **Energy & Environmental Research Center**

Mr. Edward Steadman is a Deputy Associate Director for Research at the Energy & Environmental Research Center (EERC), where he currently oversees the oil and gas research area, including the PCOR Partnership Program. The PCOR Partnership is one of seven regional partnerships funded by the U.S. Department of Energy's National Energy Technology Laboratory Regional Carbon Sequestration Partnership Program to assess the technical and economic feasibility of capturing and storing (sequestering) CO₂ emissions from stationary sources in the northern Great Plains and adjacent area. Under this program, Mr. Steadman leads a multidisciplinary team of researchers working on an assessment of CO₂ sources, potential CO₂ storage sites, enhanced oil recovery opportunities, saline formations, unminable coal seams, and sequestration infrastructure. Mr. Steadman's principal areas of interest and expertise include carbon sequestration, chemical transformations during coal combustion, and materials science. He holds an M.A. degree in Geology from the University of North Dakota and a B.S. degree in Geology from the University of Pennsylvania–Edinboro.

Kirk Trujillo **Halliburton**

Mr. Kirk Trujillo is the Global Business Development Manager for Halliburton's Pinnacle Reservoir Monitoring business unit, which includes fiber optic-based sensing technologies, permanent downhole pressure gauges, and microseismics

and microdeformation technologies. Mr. Trujillo has 20 years of oil and gas experience, working in seismics, petrophysics, and completions engineering and holds a Geological Engineering degree from the Colorado School of Mines and an MBA from the Rotterdam School of Management, Erasmus University.

Neil Wildgust

Petroleum Technology Research Centre

Mr. Neil Wildgust is Chief Project Officer for the Petroleum Technology Research Centre, Regina, and is responsible for managing the Aquistore and IEAGHG Weyburn–Midale research projects. Previously, he worked for the IEA Greenhouse Gas R&D Programme (IEAGHG), based in the United Kingdom as Project Manager for Geological Storage and was responsible for coordinating international storage research networks and commissioning studies. He holds an M.Sc. degree in Applied Environmental Geology from Cardiff University and a B.Sc. degree in Geology from Southampton University, is a chartered geologist, and has 25 years of industrial experience in mining, land contamination, and hydrogeology.

Paul Williams

Baker Hughes

Mr. Paul Williams is the CCS Projects Director for Baker Hughes, based in Houston, Texas. He is a 30-year oil and gas professional with a background in off- and onshore drilling engineering and well construction technology, operations management and business development. Mr. Williams holds a M.Sc. degree in Drilling Engineering from Robert Gordon's University, Aberdeen, and an H.N.C. in Naval Architecture. For the past 3 years, Mr. Williams has been the "CO₂ focal point" for Baker Hughes and has been involved with Geologic CO₂ storage projects. His main role is focused on integrating subsurface oil and gas technology and techniques into the safe, belowground storage of CO₂. Baker Hughes brings a wide span of expertise including reservoir modeling and characterization through sophisticated wireline and logging while drilling systems through coring, geomechanical modeling, and monitoring.

PCOR Partnership Partners (Phases I–III)

The Plains CO₂ Reduction (PCOR) Partnership is a collaborative program assessing regional carbon dioxide (CO₂) storage opportunities. Its primary sponsor is the U.S. Department of Energy National Energy Technology Laboratory, with additional support (for one or more program phases) from over 100 partners.

- U.S. Department of Energy National Energy Technology Laboratory
- University of North Dakota Energy & Environmental Research Center
- Abengoa Bioenergy New Technology, Inc.
- Air Products and Chemicals, Inc.
- Alberta Department of Energy
- Alberta Department of Environment
- Alberta Energy Research Institute
- Alberta Innovates – Technology Futures
- ALLETE
- Ameren Corporation
- American Coalition for Clean Coal Electricity (ACCCE)
- American Lignite Energy
- Apache Canada Ltd.
- Aquistore
- Baker Hughes Incorporated
- Basin Electric Power Cooperative
- Bechtel Corporation
- BillyJack Consulting Inc.
- Biorecro AB
- Blue Source, LLC
- BNI Coal, Ltd.
- British Columbia Ministry of Energy, Mines and Petroleum Resources
- British Columbia Oil and Gas Commission
- C12 Energy, Inc.
- Chicago Climate Exchange
- Computer Modelling Group, Inc.
- Dakota Gasification Company
- Denbury Resources Inc.
- Ducks Unlimited Canada
- Ducks Unlimited, Inc.
- Eagle Operating, Inc.
- Eastern Iowa Community College District
- Enbridge Inc.
- Encore Acquisition Company
- Energy Resources Conservation Board/Alberta Geological Survey
- Environment Canada
- Excelsior Energy, Inc.
- Fischer Oil and Gas, Inc.
- Great Northern Project Development, LP
- Great River Energy
- Halliburton
- Hess Corporation
- Huntsman Corporation
- Husky Energy Inc.
- Indian Land Tenure Foundation
- Interstate Oil and Gas Compact Commission
- Iowa Department of Natural Resources
- Kiewit Mining Group
- Lignite Energy Council
- Manitoba Geological Survey
- Manitoba Hydro
- Marathon Oil Company

- MEG Energy Corporation
- Melzer Consulting
- Minnesota Pollution Control Agency
- Minnesota Power
- Minnkota Power Cooperative, Inc.
- Missouri Department of Natural Resources
- Missouri River Energy Services
- Montana–Dakota Utilities Co.
- Montana Department of Environmental Quality
- Montana Public Service Commission
- Murex Petroleum Corporation
- National Commission on Energy Policy
- Natural Resources Canada
- Nebraska Public Power District
- Nexant, Inc.
- North American Coal Corporation
- North Dakota Department of Commerce Division of Community Services
- North Dakota Department of Health
- North Dakota Geological Survey
- North Dakota Industrial Commission Department of Mineral Resources, Oil and Gas Division
- North Dakota Industrial Commission Lignite Research, Development and Marketing Program
- North Dakota Industrial Commission Oil and Gas Research Council
- North Dakota Natural Resources Trust
- North Dakota Petroleum Council
- North Dakota Pipeline Authority
- North Dakota State University
- Otter Tail Power Company
- Oxand Risk & Project Management Solutions
- Petroleum Technology Research Centre
- Petroleum Technology Transfer Council
- Pinnacle, a Halliburton Service

- Prairie Public Broadcasting
- Pratt & Whitney Rocketdyne, Inc.
- Praxair, Inc.
- Ramgen Power Systems, Inc.
- RPS Energy Canada Ltd.
- Saskatchewan Ministry of Energy and Resources
- SaskPower
- Schlumberger Carbon Services
- Shell Canada Energy
- Spectra Energy
- Strategic West Energy Ltd.
- Suncor Energy Inc.
- TAQA North Ltd.
- Tesoro Refinery (Mandan)
- TGS Geological Products and Services
- University of Alberta
- University of Regina
- U.S. Geological Survey – Northern Prairie Wildlife Research Center
- University of North Dakota
- Weatherford Advanced Geotechnology
- Western Governors' Association
- Westmoreland Coal Company
- WBI Energy, Inc.
- Wisconsin Department of Agriculture, Trade and Consumer Protection
- Wyoming Office of State Lands and Investments
- Xcel Energy

For more information about the PCOR Partnership, please contact Katherine Anagnost, Research Specialist–Project Manager, by phone at (701) 777-5229 or by e-mail at kanagnost@undeerc.org.





TENTH
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PCOR
PARTNERSHIP
MEETING AND WORKSHOP

September 11–13, 2012

InterContinental Hotel
Milwaukee, Wisconsin

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EERC

Energy & Environmental Research Center®
Putting Research into Practice