



Coal and the Modern Age

This 1-hour documentary will tell the history of coal, explore the relationship between energy and global quality of life, and look toward the future.

**Now
Filming!**

Today, coal supplies 28% of the world's energy and 40% of the world's electricity.^{1,2} However, with growing concerns regarding climate change, the energy supplied by fossil fuels, especially coal, has come under new environmental scrutiny. Concern about increasing global carbon dioxide (CO₂) emissions comes at a time when the world's energy demand is expected to grow 50% by 2040, with most growth in the emerging economies of the world.³

Coal will play a critical role in meeting this ever-increasing demand for energy. Help us tell the story.



¹U.S. Department of Energy Energy Information Administration, 2013, International energy outlook 2013, coal: www.eia.gov/forecasts/ieo/coal.cfm (accessed May 5, 2014).

²U.S. Department of Energy Energy Information Administration, 2013, International energy outlook 2013, electricity: www.eia.gov/forecasts/ieo/electricity.cfm (accessed May 5, 2014).

³U.S. Department of Energy Energy Information Administration, 2013, International energy outlook 2013, highlights: www.eia.gov/forecasts/ieo/ (accessed May 5, 2014).

CO₂ and Climate Change

Practical and Environmentally Sound Discussion of Some of Today's Hot Topics

Featuring the Plains CO₂ Reduction (PCOR) Partnership Documentaries



Funding is provided by the U.S. Department of Energy's Office of Fossil Energy through the National Energy Technology Laboratory, members of the PCOR Partnership, and the members of Prairie Public Television.

The Bell Creek Story

**Now
Filming!**

The 30-minute documentary will tell the story of integrating CO₂ enhanced oil recovery (EOR) with research on associated CO₂ storage.

The Bell Creek oil field has become the site of a commercial EOR operation that uses CO₂ produced from human activities to produce oil from declining fields. In the process, most of that CO₂ will replace the oil and be stored permanently deep underground. How does it work? What will the project mean to the community and the region? How does it fit with the other carbon reduction strategies? These and other questions are being investigated through scientific research integrated with the project. They are also the subject of this documentary.

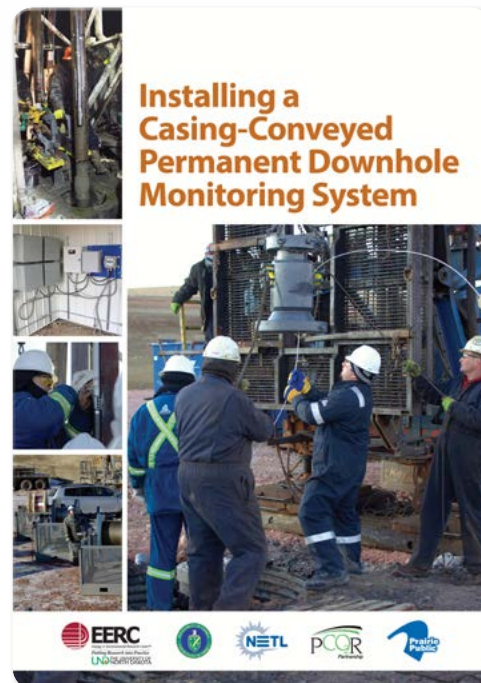
Videographic Best Practices Manual

Installing a Casing-Conveyed Permanent Downhole Monitoring System

Technical Training Video

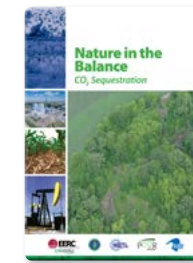
This 20-minute video acquaints a technical audience with the basics of permanent downhole monitoring (PDM) systems attached to the casing's exterior as well as the unique field installation practices that these systems require. The video features an example PDM system installed by the PCOR Partnership to monitor temperature and pressure at a CO₂ EOR and associated CO₂ storage project in the Denbury-operated Bell Creek oil field in southeastern Montana.

**Latest
Release!**



Exclusive Documentary Series

This series of documentaries on CO₂ sequestration is a production of Prairie Public Broadcasting, Fargo, North Dakota, in collaboration with the PCOR Partnership led by the University of North Dakota's Energy & Environmental Research Center.



Nature in the Balance: CO₂ Sequestration [DVD]; Steadman, E.N.; Dambach, B., Executive Producers; Energy & Environmental Research Center: Grand Forks, ND, 2005, 30 min, free upon request.

This 30-minute documentary is full of information on anthropogenic CO₂, a greenhouse gas caused by human activity, explaining what it is, where it comes from, and what we can do to control it.

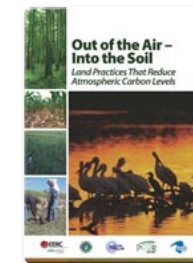
**North Dakota Library Association Notable Document Award, 2008 Runner-Up
Telly Award, 2006 Bronze Winner**



Reducing Our Carbon Footprint: The Role of Markets [DVD]; Steadman, E.N.; Dambach, B., Executive Producers; Energy & Environmental Research Center: Grand Forks, ND, 2008, 30 min, free upon request.

This 30-minute documentary introduces carbon credits as important tools in providing incentives and financing for projects that will help lead to the low-carbon world of tomorrow.

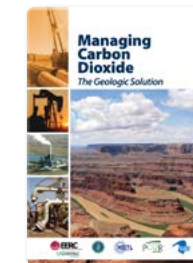
Award of Excellence, 15th Annual Communicator Awards, 2009 Winner



Out of the Air - Into the Soil: Land Practices That Reduce Atmospheric Carbon Levels [DVD]; Steadman, E.N.; Dambach, B., Executive Producers; Energy & Environmental Research Center: Grand Forks, ND, 2008, 30 min, free upon request.

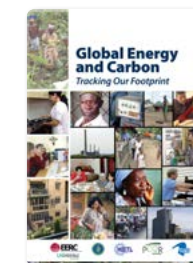
Terrestrial CO₂ sequestration is a way of reducing our carbon footprint using the natural ability of plants to absorb CO₂ from the atmosphere and store the carbon in plant matter and soils. This 30-minute documentary highlights projects in North and South America that are using effective landscape management to help reduce our carbon footprint.

**Award of Excellence, 15th Annual Communicator Awards, 2009 Winner
Aurora Award, 2009 Gold Winner**



Managing Carbon Dioxide: The Geologic Solution [DVD]; Steadman, E.N.; Dambach, B., Executive Producers; Energy & Environmental Research Center: Grand Forks, ND, 2009, 30 min, free upon request.

This 30-minute documentary tells the story of geologic CO₂ sequestration from the discovery of natural underground CO₂ deposits to the development of a safe, practical method for long-term storage deep underground of CO₂ from industrial sources.



Global Energy and Carbon: Tracking Our Footprint [DVD]; Steadman, E.N.; Dambach, B., Executive Producers; Energy & Environmental Research Center: Grand Forks, ND, 2010, 35 min, free upon request.

This 35-minute documentary shows how energy is used by everyday families at three levels of energy use—industrialized, emerging, and developing. Following families in the United States, India, and Cameroon to demonstrate how this energy use is reflected in carbon emissions, the documentary then considers the question, "What actions can we take now to find reasonable solutions to carbon management while having adequate access to energy now and in the future?"

Aurora Award, 2012 Platinum Best of Show Winner

View the documentaries online at www.undeerc.org/pcor or
Request your copies of the DVDs today!

Contact us at jensrud@undeerc.org.

About the Awards

Aurora Award, 2009 Gold Winner and 2012 Platinum Best of Show Winner

The Aurora Award recognizes excellence in the international film and video industries specifically targeted at nonnational commercials, regional or special interest entertainment, and corporate-sponsored film and video. Entries are judged based on creativity, message effectiveness, and technical excellence. The PCOR Partnership documentary "Out of the Air – Into the Soil" was a 2009 Gold Winner, and "Global Energy and Carbon: Tracking Our Footprint" was a 2012 Platinum Best of Show Winner.

Award of Excellence, 15th Annual Communicator Awards, 2009 Winners

The Communicator Awards, sanctioned and judged by the International Academy of the Visual Arts, honor creative excellence for communications professionals. The Award of Excellence, the highest honor, is awarded to those with outstanding communication ability, which puts them among the best in the field. In 2009, the PCOR Partnership received awards in this category for "Reducing Our Carbon Footprint" and "Out of the Air – Into the Soil."

NDLA Notable Document Award, 2008 Runner-Up

The Notable Document Award from the North Dakota Library Association (NDLA), Government Documents Roundtable, recognizes outstanding documents created by North Dakota state agencies. The Notable Document Award was first awarded in 1984. The PCOR Partnership documentary "Nature in the Balance: CO₂ Sequestration" was a 2008 runner-up.

Telly Award, 2006 Bronze Winner

The Telly Awards honor the very best film and video productions; groundbreaking online video content; and outstanding local, regional, and cable TV commercials and programs. Entries are evaluated to recognize distinction in creative work and do not compete against each other. The PCOR Partnership documentary "Nature in the Balance: CO₂ Sequestration" received a Bronze Telly Award in 2006 for excellence in the category of nonbroadcast film or video production.

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About the PCOR Partnership

The PCOR Partnership is a group of public and private stakeholders working together to better understand the technical and economic feasibility of storing CO₂ emissions from stationary sources in the central interior of North America. The PCOR Partnership is led by the Energy & Environmental Research Center at the University of North Dakota and is one of seven regional partnerships under the U.S. Department of Energy National Energy Technology Laboratory Regional Carbon Sequestration Partnership Program. For more information on the PCOR Partnership and other products available, go to www.undeerc.org/PCOR.