



CHE 670 – Sustainability Seminar
Greenhouse Gases; Carbon Taxes and Trading; and Carbon Sequestration

January 6-8, 2010
Kansas State University

Hear from Industrial, Academic, and Government Experts
about Tracking and Measuring Greenhouse Gases,
Various Companies' Experiences in Addressing GHGs,
and Sequestration Opportunities for Kansas

Why Is This Important?

Greenhouse gases, carbon taxes and trading, and carbon sequestration have all been in the news recently as leaders discuss the growing importance of reducing GHG emissions in an effort to slow climate change. This special seminar will focus on climate change exercises, carbon footprinting, and greenhouse gas reduction. Participants will hear from experts about tracking and measuring greenhouse gases, various companies' experiences in addressing GHGs, and sequestration opportunities for Kansas.

When and Where?

The seminar will be held Wednesday, January 6 through Friday, January 8, 2010 in room 1052 of Rathbone Hall on the Kansas State University campus in Manhattan, Kansas. There will be an open public event on Wednesday evening, January 6, at 7:00 p.m. in Rathbone Hall 1052. A complete schedule can be found on the next page.

Want More Information?

For more information about the seminar, call Larry Erickson at (785) 532-4313 or (785) 532-6519, or visit www.engg.ksu.edu/CHSR and look under "Sustainability" or "Sustainability Initiatives."

How Do You Register?

Register online or by mail or fax at

<http://www.dce.k-state.edu/conf/sustainability-ghg/>, click on "Registration Information." For registration questions or information, call K-State Continuing Education at (785) 532-5569 or (800) 432-8222. Optional academic credit and continuing education certificates are available.

If enrolling as a student seeking academic credit, go to

<http://www.dce.k-state.edu/conf/sustainability-ghg/> and view the

Optional Academic Credit information under the Registration Information link.

Are You Interested in Displaying a Poster or Exhibit?

Posters and exhibits are invited. Poster authors should submit title, author information, contact information, and a brief abstract to Sheree Walsh (smw@ksu.edu), Center for Hazardous Substance Research, Ward Hall, Kansas State University, Manhattan, KS 66506; phone: (785) 532-6519. Submissions should be made no later than December 15, 2009.

CHE 670 Sustainability Seminar – Agenda

Wednesday, January 6

- 8:30 Welcome (Dr. Larry Erickson, Kansas State University)
- 8:35 GHGs and the Nexus with Natural and Human-Induced Climate Change (Dr. John Harrington, KSU)
- 9:15 Reducing Carbon Emissions: Current World Progress (Mr. Michael Moore, Blue Source)
- 10:00 Break
- 10:20 Current Efforts in Climate Forecasting and Modeling (Dr. Gene Takle, Iowa State University)
- 11:10 Climate Change and the Midwest: Issues and Impacts (Dr. Charles Rice, KSU)
- 12:00 Lunch
- 1:00 Why is Carbon Footprinting Important? (Mr. Dennis Murphey, KCMO)
- 1:40 How to Measure and Calculate Your GHGs: An Overview (Ms. Terrie Boguski, Harmony Environmental)
- 2:30 Poster Break
- 3:00 How to Measure and Calculate Your GHGs: Practical Examples (Ms. Boguski, Harmony Environmental)
- 3:40 Kansas City's Climate Protection Plan (Mr. Murphey, KCMO)
- 4:30 Interactive Activities: Climate Change Exercises, GHG Calculator Tools, etc

- 7:00 **OPEN PUBLIC SESSION: Dialogue – Public Policy Dimensions and Reducing GHG Emissions at K-State and in Communities** (*Representatives from various organizations and communities including Tom Hawk, Ben Champion, Bruce Snead, Marci Francisco, and others will be attending*)

Thursday, January 7

- 8:30 GHGs: One Company's Experiences (Ms. Jennifer Bowman, Dow Chemical)
- 9:20 Status of Voluntary GHG Programs: State, National and International Efforts (Mr. Tom Gross, KDHE)
- 10:10 Poster Break
- 10:30 What's on the Radar? Federal Regulatory Policies, Programs, and Initiatives (Mr. Michael Jay, EPA)
- 11:20 Proactive Partnerships and Opportunities for Kansas Businesses (Mr. Bill Eastman, Westar Energy)
- 11:40 Midwest GHG Reduction Accord and Opportunities for Kansas (Mr. Ray Hammarlund, KCC)
- 12:00 Lunch
- 1:00 Panel – The True Costs of Compliance, Non-compliance, Inaction, and Emissions Reductions
- 1:50 Carbon Sequestration Policy, Business Development, and Regulatory Issues (Mr. Moore, Blue Source)
- 2:40 Poster Break
- 3:00 Carbon Sequestration Opportunities in Kansas (Mr. Martin Dubois, CAP CO₂)
- 3:50 Processes to Recover and Purify CO₂ (Dr. Jennifer Anthony, KSU)
- 4:30 Interactive Activities: Climate Change Exercises, GHG Calculator Tools, etc

Friday, January 8

- 8:30 Soil Science, Agricultural Offsets, and Terrestrial Sequestration (Dr. Rice, KSU)
- 09:20 Greenhouse Gas Accounting for Agriculture (Dr. Greg Thoma, University of Arkansas)
- 10:10 Break
- 10:20 Community Perspectives and Initiatives (Manhattan, Wichita, Lawrence, Ft. Riley, and others)
- 11:10 KSU Initiatives: How Can K-State Contribute? (Panel of KSU experts)
- 12:00 Adjourn