

Agenda

EPRI Greenhouse Gas Emissions Offsets Workshop #11

Creating Nitrous Oxide (N₂O) Emissions Offsets in U.S. Agriculture

Friday, November 4, 2011
Hotel Monaco
Washington, DC

- 7:30 am Continental Breakfast
- 8:00 **Workshop Purpose and Overview**
- Adam Diamant, Senior Project Manager, Electric Power Research Institute (EPRI)
- 8:15 **Agenda and Introductions**
- Richard Rosenzweig, Manager, Natsource LLC
- 8:30 **Potential Quantities and Regional Distribution of Greenhouse Gas Emission Reductions Associated with Changing Nitrogen Fertilizer Management Practices**
- **Arvin R. Mosier** – Retired Research Chemist, United States Department of Agriculture (USDA), Agricultural Research Service (ARS)
- 8:50 Clarifying Questions
- 9:00 **Key Scientific Methods to Quantify Nitrous Oxide (N₂O) Emissions in Agricultural Crop Production: National Emission Factors (Tier 1), Regional Emissions Factors (Tier 2), and Process-Based Models (Tier 3)**
- **Phil Robertson**, Professor of Ecosystem Science, W. K. Kellogg Biological Station and Department of Crop and Soil Sciences, Michigan State University (MSU)
 - *Commentary* — **R. Cesar Izaurralde**, Fellow, Joint Global Change Research Institute, DOE Pacific Northwest National Laboratory, and Adjunct Professor, University of Maryland
- 9:45 Participant Discussion
- 10:15 Break
- 10:30 **Overview of Nutrient Management Offset Project Methodologies**
- *The MSU-EPRI “Tier 2” N₂O Offsets Methodology* — **Neville Millar**, Senior Research Associate, W. K. Kellogg Biological Station, MSU
 - *The American Carbon Registry (ACR) “Tier 3” Methodology for N₂O Emission Reductions through Changes in Fertilizer Management* — **Nicholas Martin**, Chief Technical Officer, ACR, Winrock International
 - *Development of the Climate Action Reserve (CAR) Nutrient Management Offset Project Protocol (NMPP)* — **Kathryn Bickel Goldman**, Senior Policy Manager, CAR

- 11:15 Participant Discussion
- 11:45 **Lunch & Keynote Address**
- *Introduction* — **Karen Britto**, Manager, Federal Affairs, DTE Energy
 - *Keynote Address* — **Harris Sherman**, Under Secretary for Natural Resources and Environment, United States Department of Agriculture (USDA)
- 1:00p **Common and Evolving Practices for Nitrogen Fertilizer Management in U.S. Agriculture**
- **Ronald J. Gehl**, Assistant Professor of Soil Fertility, Department of Soil Science, North Carolina State University
- 1:20 Participant Discussion
- 1:45 **Perspectives from the Farm Community**
- **Brian Brandt**, Director, Agriculture Conservation Innovations Center, American Farmland Trust
 - **Rod Snyder**, Director of Public Policy, National Corn Growers Association
 - **Dave Miller**, Director, Research & Commodity Services, Iowa Farm Bureau Federation
- 2:30 Participant Discussion
- 2:50 **Summary and Next Steps**
- Adam Diamant, EPRI
- 3:00 Adjourn