

# Webinar Moderator



Rick Handley.

Rick Handley is the Director of Regional Energy Programs for the CONEG Policy Research Center. He advises the Center's Executive Director on energy efficiency, conservation, and renewable energy, and directs staff research and analysis of federal and state energy policy. The Center is a source of timely, objective, reliable information on energy issues with unique impact on the Northeast states.

Handley is also Director of the Northeast Regional Biomass Program, an 11-state coalition focused on regional approaches to the use of the area's biomass resources. He serves as Acting Chair of the National Biomass Partnership, whose mission is to enhance biomass resources. He has over 30 years of experience in energy efficiency and renewable energy.

# Cellulosic Biofuels: Tapping Nature's Abundance



Tom L. Richard, Ph.D.

Tom Richard is an Associate Professor in the Department of Agricultural and Biological Engineering and Director of the Biomass Energy Center at the Pennsylvania State University. On January 1, 2008, he became the Director of the Penn State Institutes for Energy and the Environment, coordinating the activities of over 150 affiliated faculty from across the university and managing a \$42 million portfolio of environmental and energy research. Dr. Richard's teaching and research applies microbial bioconversion technologies to agricultural crops and byproducts, industrial biomass, and manures for energy production and value-added manufacturing. His primary research thrust is the development of sustainable strategies for biomass feedstock supply. Dr. Richard is the author or co-author of over 100 research and technical publications and serves on the editorial boards of three scientific journals. He is active in several professional societies, and a Fellow of the Institute of Biological Engineering. Dr. Richard has a B.S. from the University of California at Berkeley, and M.S. and PhD degrees from Cornell University. He spent eight years on the faculty at Iowa State University, and joined Penn State in the fall of 2004.

# Cellulose to Ethanol Technologies: Current Status and Future Prospects



Paul Grabowski

Paul Grabowski is the Technical Manager of the Thermochemical Conversion RD&D Platform, Office of Biomass Programs, U.S. Department of Energy. He is also the Manager of the Program's international activities, and serves on the IEA Bioenergy Executive Committee. The Office of Biomass Programs administers the Biomass Research and Development Initiative (BRDI), a multi-agency effort to coordinate and accelerate all Federal R&D on biobased products and bioenergy. BRDI is coordinated through the guidance of the Biomass R&D Board and the Biomass R&D Technical Advisory Committee.

The Biomass R&D Board, with representatives from 10 Federal departments and agencies and the National Science Foundation, is scheduled to release the National Biofuels Action Plan this summer. The Biomass R&D Technical Advisory Committee recently released its 2007 roadmap for bioenergy and biobased products, a plan that lays out a focused strategy to advance biomass technologies and help create a viable biobased industry.

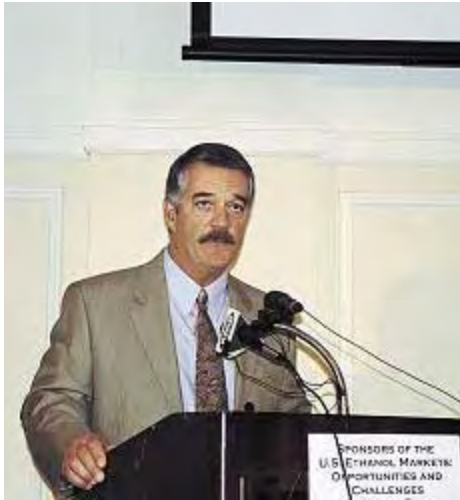
# Ellen Shapiro:

## Automaker Perspective on the RFS2

Ellen Shapiro directs the automotive fuels and lubricants teams at the Alliance of Automobile Manufacturers. Alliance members produce more than 80% of the automobiles sold in the U.S. market. Shapiro helps the industry advocate for high quality fuels and lubricants in the U.S. and globally, to reduce vehicle emissions, enable new fuel-efficient technologies and ensure good vehicle performance. She manages the Alliance's semi-annual survey of fuel quality in North America and the Worldwide Fuel Charter. During her tenure in the industry, she has successfully led efforts to dramatically reduce sulfur levels in gasoline and diesel fuel in the U.S.

Ms. Shapiro holds degrees in mathematics, chemical engineering and law. She is a member of several professional societies and the DC, MD and PA Bars.

# Challenges to Implementing the Renewable Fuel Standard



Douglas Durante

Douglas Durante is the Executive Director and Washington Representative of the Clean Fuels Development Coalition (CFDC), a non-profit organization he assisted in forming in 1987. CFDC advocates in support of renewable alcohols. Its broad-based membership includes automotive, agricultural and other alternative energy interests.

Durante's career in the fields of energy, transportation, and the environment spans 30 years. He has served in the U.S. Dept. of Energy, the U.S. EPA, and on numerous commissions including the National Alcohol Fuels Commission, the Federal Biomass Advisory Committee, the Biomass Advisory Committee of the Governors' Ethanol Coalition, the U.S. EPA Clean Fuels Advisory Committee and the U.S. Dept. of Energy's Business Roundtable Advisory Group.

# Manufacturing Challenges to EISA Implementation & Consumer Protection



Kris Kiser

Kris Kiser, Vice President, Public Affairs for the Outdoor Power Equipment Institute (OPEI), manages the Institute's communications and advocacy initiatives. Kiser currently is the spokesperson for AllSAFE (Alliance for a Safe Alternative Fuels Environment), a coalition comprised of national consumer, manufacturing and gasoline retailer associations whose members are consumers of gasoline and ethanol fuel blends. The Coalition advocates for fuel-related legislation on behalf of 250 million Americans who own and operate over 400 million energy-dependent vehicles and equipment. Kiser has served in senior positions with the Alliance for Automobile Manufacturers and the American Forest & Paper Association.

# Implementing the New Federal RFS



Bob Dinneen

Bob Dinneen is President and CEO of the Renewable Fuels Association (RFA), the national trade association for the U.S. ethanol industry. He is the lead lobbyist for the ethanol industry before Congress and the Administration, and a spokesperson at state, national and global forums.

Dinneen has led RFA's efforts to build coalitions to provide marketplace growth for the industry. These coalitions have succeeded in expanding the historic Renewable Fuels Standard to 36 billion gallons by 2022, and enacting the Volumetric Ethanol Excise Tax Credit. Dinneen serves on the DOE/USDA Biomass Research & Development Technical Advisory Committee. Prior to RFA, Dinneen worked on Capitol Hill for various Members of Congress and Congressional committees.

# Challenges Faced by the Liquid Terminals Industry



R. Peter Weaver

R. Peter Weaver is currently the Director of Regulatory Compliance and Safety for the Independent Liquid Terminals Association (ILTA), located in Washington DC. ILTA represents companies and partnerships that operate bulk liquid terminals in the U.S. and over 40 countries. They transfer liquid products between all modes of commercial transportation.

Weaver has a degree in chemical engineering from the University of Virginia and an MBA from the UCLA. He has seen the chemical industry from multiple vantage points including manufacturing, marketing and sales, terminal engineering and operations, and marine, rail and truck transportation. Weaver holds a merchant marine deck officer license for unlimited tonnage vessels and is an avid yachtsman.