



Advanced Biofuels Workshop

August 1, 2012

Presenter Bios

(Arranged in presentation order)

Anthony Radich

Tony Radich is an economist with the Energy Information Administration. He is currently a member of the Biofuels and Emerging Technologies Team in the Petroleum, Natural Gas and Biofuels Analysis group of the Office of Energy Analysis.

Dr. Radich has worked on biofuels issues since he joined EIA in 2001. He developed the cost models for the production of ethanol and biodiesel, the National Energy Modeling System, which is used to produce the EIA Annual Energy Outlook. He has served as a contributing author to numerous EIA publications, including the Annual Energy Outlook and the Short-Term Energy Outlook. Dr. Radich's overview of the biodiesel industry is one of EIA's most widely-read publications. He has also worked on the deployment of the EIA Monthly Biodiesel Production Survey.

Dr. Radich has a Ph.D. in economics from Emory University, and an A.B. in economics and a B.S. in mechanical engineering from Lafayette College.

Terrence S. Higgins

Terrence S. Higgins is the Executive Director of Refining & Special Studies for Hart Energy Consulting. His primary area of activity is in the development and production of Hart Energy's Global Refining, Crude Oil and Refined Product Outlook. The outlook provides a forecast of regional refining capacity and operations, crude oil and refined product supply and demand, biofuel and other supply impacts, fuel quality trends and impacts and international petroleum trade flow.

Mr. Higgins has 40 years of experience in various capacities associated with the petroleum industry with emphasis on fuel markets, fuel quality and the role of biofuel and other non-crude derived components. Mr. Higgins has a B.S. in Chemical Engineering from the University of Notre Dame.

Peter Ryus

Peter Ryus serves as Chief Executive Officer (CEO) of Roundtable on Sustainable Biofuels (RSB) Services Foundation based near Washington, D.C. He leads the RSB Services Foundation's efforts in implementing the RSB standards for sustainable biofuels. As CEO, he manages the nonprofit organization's strategy, goals and methods for achieving its mission.

Peter has over 30 years' experience in general management and marketing in information services and technology. He has broad-based experience, both in small, entrepreneurial



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ventures (some of which have become public companies) and in large, multinational organizations including Time Warner, Verizon, General Electric and the Chase Manhattan Bank. Peter has had considerable experience working in situations with high risk and rapid change. During his career, he has focused on management, organization reinvention, marketing, sales and product development.

Having started his career as a corporate lending officer with Chase, he then joined Time Inc. and assisted in the development of Home Box Office. He went on to become President of Televents, Inc., a cable company that was to become part of Telecommunications Inc. (TCI), the largest cable operator in the US. Later as the COO of Weather Services International, he was responsible for expanding the business into Latin America and Asia and subsequently was instrumental in the sale of the business to Landmark Communications, parent of The Weather Channel.

Peter frequently speaks about sustainability certification and relevant issues at biofuels conferences around the world. Peter has a Bachelor of Arts in Political Science from Tulane University and Master of Business Administration in Finance from Columbia University.

Zia Haq

Zia Haq is currently the Department of Energy lead for a Defense Production Act biofuels initiative. He also manages the analysis and sustainability activities of the Biomass program. He has been at DOE for 12 years and has over 20 years of experience in the energy sector. Prior to joining DOE, Zia worked at Southern Company Services, in the area of coal gasification. Zia has a BS in Chemical Engineering from Northwestern University and an MS in Chemical Engineering from Johns Hopkins University.

Paul Kamp

Paul directs business development and strategic client relationships in North America for Leifmark, a role he had with Inbicon since 2010. Based in Chicago, Paul works closely with prospective plant owners and stakeholders in multiple industries, including fuels, biomass supply, and power generation. Paul has an extensive background in biofuels, chemicals, technology commercialization, renewable resources, project execution support, and legislative affairs in the U.S. and Canada. Much of his work is with the existing grain ethanol industry, developing sustainable co-location platforms for cellulosic and grain ethanol production. He has contributed to renewable fuel benchmarking activities of the U.S. EPA, DOE and USDA.

As North American business development director for Delta-T Corporation during the peak period of the corn ethanol industry's development, he played key roles in first generation ethanol projects totaling over \$1 billion. Paul also worked as a consultant to Noble Americas Clean Fuels marketing division, screening and building relationships with over one hundred proposed U.S. biofuel project groups, many of which became leading ethanol producers. While



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with Accenture's Executive Consulting group, Paul led a group of global industry leaders in fuel, forest, waste, and chemical on bio-based supply-chain strategy and best practices exploration.

Paul began his professional career in polymer research for contact lens applications (Wesley-Jessen/CIBA), with Quantum Chemical in polyolefin pilot production, and with Advac Elastomers as Director of Business Development for recycled rubber use in truck and automotive tires. He received his degree in Biological Sciences from University of Illinois at Chicago.

A longtime supporter of ethanol and domestic fuel production, Paul was a member of Chicago Area Clean Cities, National Ethanol Vehicle Coalition, and American Coalition for Ethanol long before working in the industry. He is a frequent speaker at ethanol and biomass conferences on cellulosic ethanol production and co-location strategies.

Steve Gerber

Steve directs business development activities at Fiberight. He has extensive operational experience in a variety of industries, with over 30 years involved with the processing of waste fiber into usable and marketable products. He has been an acknowledged contributor to numerous product development efforts in the cellulosic fiber industry using innovative processing technologies and techniques. He had significant involvement in the construction and subsequent management of Fiberight's pilot plant in Lawrenceville, VA and the process modifications, start up and operation of the Blairstown IA ethanol facility.

Steve is on the board of directors at Thermtron Research Corporation and Cellulose Insulation Manufacturers Association. He is also president of Cellulose Insulation Manufacturers Association.

Steve holds a Bachelor of Arts degree in Business Management from Saint Francis College in Ft. Wayne Indiana.

Robert Kozak

Robert Kozak is an environmental scientist and the President and founder of Atlantic Biomass Conversions, Inc., a biotech company that focuses on producing biofuel sugars from sustainable low-value biomass such as agricultural residues and perennial grasses. He is also a board member and treasurer of Advanced Biofuels USA www.advancedbiofuelsusa.org. He was the first graduate of the George Washington University's Environmental Science Program and completed course work in the PhD Genetics program at GWU as well.

Mr. Kozak led his Peace Corps fisheries development group in Western Samoa and worked for the Metropolitan Washington Council of Governments (COG) and DC Dept. of Transportation on vehicle emission programs. As a consultant on air quality and transportation issues, his clients included the California Air Resources Board and the States of New Jersey and



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Connecticut. Mr. Kozak also lived in Mexico City while directing the technical side of an international air pollution control project.

His Climate Change research included work on the effects of water vapor (1995) for the US Department of Energy/EIA. Mr. Kozak represented state motor vehicle agencies (AAMVA) on Capitol Hill on vehicle emission issues in the mid-90s and has served on US EPA advisory committees on ozone standards and CFC replacement and the US Dept. of Energy Biofuel Roadmap Committee in 2006.

Mr. Kozak is also an avid historian and historic preservation advocate. He is the author of **Shelter from the Storm, Frederick Maryland A Place of Refuge in the Seven Year's War** and is a treasurer of the Frederick Civil War Round Table.

Leticia Phillips

Leticia Phillips is the Representative in North America of Brazil's Sugarcane Industry Association (UNICA). Based in Washington, DC, Ms. Phillips oversees UNICA's efforts to expand the North American ethanol and sugar markets.

Prior to joining UNICA, Leticia was an Associate Director at the Brazil-U.S. Business Council. In that capacity, she had leadership in directing major policy advocacy activities. She liaised regularly with the U.S. Congress, senior representatives of the U.S. and Brazilian governments, Fortune 500 businesses, and multilateral institutions in Washington and throughout the region on a wide variety of U.S.-Brazil trade and investment issues.

Ms. Phillips has a bachelor's degree in International Relations from the American University in Washington, DC.

Michael Cole

Michael Cole is an Operations Research Analyst with the Energy Information Administration. He is a member of the Liquid Fuels Markets Team in the Petroleum, Natural Gas & Biofuels Analysis group of the Office of Energy Analysis. His primary activity is the development, programming, and analysis the Liquid Fuels Market Module (LFMM) of the National Energy Modeling System, which is used in the production of EIA's Annual Energy Outlook.

As part of his work on LFMM (and its predecessor model, PMM), Michael has concentrated on modeling the production/consumption of biofuels, the national Renewable Fuel Standard (RFS), the California Low Carbon Fuel Standard (LCFS), and U.S.-Brazilian trade flows. Each of these topics directly affects how EIA projects the growth of the Advanced Biofuels industry.

Dr. Cole has a Ph.D. degree in Industrial & Systems Engineering from Georgia Tech, where he specialized in the development and analysis of production/distribution models.