“Dance with Who Brung Ya”: How to Affordably Defossilize Transportation Now

An interactive presentation by Joanne Ivancic, Executive Director of Advanced Biofuels USA.

Many decision-makers and policy leaders have scant understanding of biofuels or advanced biofuels. They need a foundation on which to build a framework for analyzing sustainability, development and deployment issues. This is true for the US, other developed countries, and for the developing world.

This session begins with PowerPoint slides and also uses the Advanced Biofuels USA online library to provide a look at examples of current use of sustainable, renewable fuels. It will address the questions: What are sustainable, renewable fuels? How are they made? Why are they important? The bulk of the presentation will cover how we use them now, with the cars, trucks, trains, planes and equipment in current fleets.

Interactive discussion will focus on examples of how fleet managers and individuals can begin shrinking their carbon footprint immediately. These will include:

- Washington, DC Department of Public Works use of 100% biodiesel in heavy duty equipment (Including reference to other municipalities’)
- Case study comparing carbon footprint reduction of school buses retrofitted to use 100% biodiesel to new electric vehicles
- Availability, pricing and use of 15% (E15) for vehicles built since 2001
- Explanation of Flex Fuel Vehicles; availability, pricing and use of E85; comparison of adoption and use in France vs the US
- Commercial and general aviation flights with Sustainable Aviation Fuel (SAF)
- Mention of use of renewable fuels by locomotives and public transportation systems
- Practical Guide for “Take Home” follow up: How to De-Fossilize Your Fleet: Suggestions for Fleet Managers Working on Sustainability Programs; includes sample standard operating policies based on federal rules and includes suggestions for carbon-conscientious travel policies.
- For those who want to know more details about renewable fuels, I will recommend this introductory recorded presentation and study guide: https://advancedbiofuelsusa.info/new-online-educational-series-about-renewable-fuels-30-30-package-includes-30-minute-online-presentation-plus-materials-for-directed-discussion-about-renewable-fuels-and-the/

Our transition to a bio-based and circular economy has many facets. This presentation enables us to explore the potential for immediate and cost-effective transition to biobased transportation fuels.

Advanced Biofuels USA Executive Director, Joanne Ivancic, has lived and worked in the Washington, DC, area for more than 40 years. She graduated from George Washington University National Law Center, worked on Capitol Hill and with executive agencies. She has observed the development of advanced biofuels research, financing and use for about 20 years. In April 2008 she co-founded Advanced Biofuels USA to promote the understanding, development and use of advanced biofuels. “We are agnostic; feedstock, technology and product agnostic.”