

**AUG
19 & 26
SEPT
2 & 9**

A virtual conference on liquid heating fuels in a carbon-constrained world

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POLICY DAY 1 AUG 19

Day1 will review the policy actions being taken in the United States and the European Union. How will the goals of decarbonization affect the liquid fuels industry? How will the producers and users of the fuels respond? Additionally, industry visions for both the U.S. and Europe will be reviewed and discussed.



Welcome	John Huber, NORA Dr. Moritz Belling, Eurofuel	9:00 AM (EDT)	15.00 (CET)
Carbon Intensity: The only policy in the U.S.	John Huber, NORA Michael Trunzo, Shenker, Russo & Clark LLP	9:10	15.10
Twenty-seven countries: The march to low-carbon fuels	Sandrine Devos, Eurofuel	9:30	15.30
Decarbonizing all Fuels: Aviation, road & off-road	Prof. Dr. Christian Küchen, MWV	9:50	15.50
New York: Multi-Dimensional decarbonization planning for residential buildings	Courtney Moriarta, NYSERDA	10:15	16.15
Break		10:30	16.30
Liquid fuel producers: Makers of today's fuel—what about tomorrow?	Cécile Nourigat, UPEI; Dr. Uta Weiss, UPEI; Giorgia Manno, bp; Eric Slifka, Global Partners; Christian Froehlich & Marc-Manuel Simler, VARO Energy Germany; Sandrine Devos, Eurofuel	10:40	16.40
Eurofuel's Vision & Roadmap	Dr. Moritz Belling, Eurofuel	11:20	17.20
U.S. Heating Oil: What is the strategy?	Charlie Uglietto, Cubby Fuel	11:40	17.40
Wrap-up & Discussion	Dr. Moritz Belling, Eurofuel	11:50	17.50

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Carbon Intensity: The only policy in the U.S.

John Huber, NORA; Michael Trunzo, Shenker, Russo & Clark LLP

John & Michael will provide an overview of U.S. government's activities to achieve a lower carbon economy as well as what effect the November elections could have. Michael will focus on state programs. After the U.S. withdrew from the Paris accords, most of the states in heating oil territory signed onto the Paris accords and enacted aggressive greenhouse gas policies.

Twenty-Seven Countries: The march to low-carbon fuels

Sandrine Devos, Secretary General, Eurofuel Association

Sandrine will describe the activities of the European Union and their goals. She will then describe the complex relationship between the EU in Brussels, and how the goals of the EU are translating to policies in the member states.

Decarbonizing All Fuels: Aviation, road & off-road

Prof. Dr. Christian Küchen, MWV

Decarbonizing fuels is not limited to heating oil. There are aggressive steps throughout Europe to reduce the carbon footprint of all fuels. These fuels include jet fuel and all users of liquid fuels. Such a change would have an impact on each of the users in the liquid fuels sector. Dr. Kuechen will review the steps underway in the EU to reduce carbon emissions from the liquid fuels sector.

New York:

Multi-Dimensional decarbonization planning for residential buildings

Courtney Moriarta, NYSERDA

Ms. Moriarta will provide an overview of New York's Climate Leadership and Community Protection Act (CLCPA) an implementation plan toward a carbon neutral economy. She will then describe what will be necessary to have a successful implementation. How does a transition to electricity affect the need for improved efficiency in buildings, and can that be done cost effectively? Other

than electricity, what role can clean heating fuels play in New York's energy planning scenarios?

Liquid fuel producers:

Makers of today's fuel—what about tomorrow?

Cécile Nourigat, UPEI; Dr. Uta Weiss, UPEI; Giorgia Manno, bp; Eric Slifka, Global Partners; Christian Froehlich, VARO Energy Germany; Marc-Manuel Simler, VARO Energy Germany; Sandrine Devos, Eurofuel

A conversion to low-carbon fuels presents unique challenges and opportunities to traditional manufacturers & distributors. This panel of representatives from integrated oil companies will discuss how they plan to respond to the low carbon challenges. Additionally, Eric Slifka, the CEO of Global Partners will describe how the largest importer and distributor of heating oil in the U.S. is responding

Eurofuel's Vision & road map

Dr. Moritz Bellingin, Eurofuel

How should the industry respond to the challenges of low carbon fuels? Dr. Moritz Bellingin will describe the process the industry in Europe undertook to have a response to the growing policy efforts undermining the sale of petroleum products and the results of that process.

U.S. Heating Oil: What is the strategy

Charlie Uglietto, Cubby Fuel

Cubby Fuel retails both residential & commercial heating oil in the Boston market as well as operates an active service department. Cubby began retailing high-blends of biodiesel (B-20) and they are now working to move to B-40. Charlie will present his experiences with higher blends & efforts of the industry to develop a policy to respond to low-carbon demands. At an industry meeting of 200 retailers, a resolution to point a pathway forward was passed and Charlie is leading the way to have it implemented.

REGULATORY

DAY 2

AUG 26

Day 2 will focus on the regulatory framework for oil heating systems and low carbon fuels. The views: *electricity is the solution to everything; how to subsidize conversions to heat pumps; tax schemes to reward or punish energy based on its carbon intensity and incentives for improvements* will be examined.



Welcome	John Huber, NORA Dr. Moritz Bellinghen, Eurofuel	9:00 AM (EDT)	15.00 (CET)
Biofuels: Can they answer our market?	Paul Nazzaro, Nazzaro Group	9:10	15.10
Boundary Conditions: Restrictions in the EU	Willem Voets, Informazout	9:30	15.30
	Break	9:50	15.50
Biofuels for Heating: Which government policies will make it work	Michael Trunzo, Shenker, Russo & Clark LLP	10:05	16.05
Incentives for Low-carbon Fuels: Taxation and other tools in the EU	Florian Schäfer, IWO	10:25	16.25
Supplying Aviation: Can biofuels do it?	Michael Devine, World Energy	10:45	16.45
Wrap-up & Discussion	John Huber, NORA	11:00	17.00

REGULATORY DAY 2 AUG 26

Day 2 will focus on the regulatory framework for oil heating systems and low carbon fuels. The views: *electricity is the solution to everything; how to subsidize conversions to heat pumps; tax schemes to reward or punish energy based on its carbon intensity and incentives for improvements* will be examined.



Biofuels: Can they answer our market

Paul Nazzaro, Nazzaro Group

Paul currently serves as the primary interface between the biofuels industry and the petroleum industry. He has been focused on bringing biodiesel into the heating oil market for nearly 20 years. Paul will highlight the challenges of working with a fuel with slightly different properties. He will address what steps need to be taken to handle biodiesel and the logistical changes that are occurring so it can enter the market.

Boundary Conditions: Restrictions in the EU

Willem Voets, Informazout

Changing from a petroleum system to a system fueled with liquid fuels is not as easy as turning a switch or changing suppliers. There are many regulatory hurdles that must be crossed prior to introducing a new fuel. Willem will describe the regulatory impediments now in place and the steps being taken to overcome them.

Biofuels for Heating: Which government policies will make it work

Michael Trunzo, Shenker, Russo & Clark LLP

During the founding of the United States, the states were described as laboratories where different policies could be tried. As such, that is where

most of the policies for carbon reduction reside. Michael will describe several of those major policies that are either enacted by the states or are under active consideration, and how the industry is responding to them.

Incentives for Low Carbon Fuels: Taxation & Other Tools in the EU

Florian Schäfer, IWO

It is undisputed that low carbon fuels are needed to reach the ambitious climate targets. An important trigger to increase the market share of these fuels is law, which at the moment rather prevents an increased production and usage. Florian will describe the current policy framework on low carbon fuels in the European Union and present Eurofuel's recommendations for adapting the regulatory framework in order to create greater incentives for their production and usage.

Supplying Aviation: Can biofuels do it?

Michael Devine, World Energy

World Energy will describe their efforts to develop from biological feedstocks, a full-slate of products to replace petroleum sourced products. Aviation fuel from bio feedstocks has attracted much attention and World Energy will describe their work on this as well as and some of the other products that they are manufacturing for the ever-changing California market.

FUELS

DAY 3
SEPT 2

Day 3 will see the conference transition to a focus on the technical changes empowering the liquid heating fuels industry to move forward. Discussions of biodiesel (FAME) and renewable diesel (hydrogenated vegetable oil) will examine supply as well as technical issues associated with the fuels. This session will also explore the exotic fuels of the future—liquid fuels made from cellulose and from electrolysis.



Welcome	John Huber, NORA Dr. Moritz Belling, Eurofuel	9:00 AM (EDT)	15:00 (CET)
Multiple Pathways to a Low-Carbon Future	Dr. Klaus Lucka, Tec4Fuels	9:10	15:10
Biodiesel & Renewable Diesel: Understanding their environmental benefits	Dave Slade, REG	9:25	15:25
Biodiesel: Best answer for the EU?	Angel Alberdi, EWABA	9:40	15:40
Renewable Diesel: Only the carbon score changes	Alexander Stöhr, TOOL-FUEL Services GmbH	9:55	15:55
Break		10:10	16:10
Cellulosic Fuels: Development is the U.S.	Ryan Rogers, Dead River Co.; Dr. Thomas A. Butcher, NORA	10:20	16:20
From CO ₂ and Renewable Power to Liquid Hydrocarbons	Dr. Tim Böltken, Ineratec	10:35	16:35
Future Fuels: Co-Optima	Bob McCormick, NREL	10:55	16:55
High Biodiesel Blends: Lessons learned, challenges & best practices	Dr. Tom Butcher, NORA	11:15	17:15
Fuel Quality Solutions	Simon Eiden, Tec4Fuels	11:35	17:35
Wrap-up & Discussion	John Huber, NORA	11:55	17:55

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Multiple Pathways to a Low Carbon Future

Dr. Klaus Lucka, Tec4Fuels

Klaus will describe the efforts at IWO to develop low carbon alternative fuels. There are a number of approaches that could provide the appropriate liquid fuels.

Biodiesel & Renewable Diesel: Understanding Environmental Benefits

Dr. Dave Slade, Renewable Energy Group (REG)

Dave will describe the fuels that REG has developed to serve emerging markets in California and the world. These fuels include renewable diesel and biodiesel, as well as a biodiesel designed to be a heavy oil replacement and a biodiesel that has been further distilled. Dave will also present a study on how biofuels are the most efficient way of reducing atmospheric carbon due to the ability to rapidly introduce them into markets.

Biodiesel: Best Answer for the EU?

Angel Alberdi, EWABA

Angel will discuss the variety of fuels available in the EU. He will evaluate and discuss the biodiesels available from waste oil and their extremely attractive global warming scores and why they provide great value to the EU.

Renewable Diesel: Only the Carbon Score Changes

Alexander Stöhr, TOOL-FUEL Services GmbH

Renewable diesel or hydrogenated vegetable oil has seen a very strong growth curve. Partly this has been driven by the California low carbon fuel standard. However, renewable diesel does not impact NO_x emissions from motor vehicles and can be transported on the pipeline system. For many, it is a direct replacement for petroleum and loved by environmental regulators.

Cellulosic Fuels: Development in the U.S.

Ryan Rogers, Dead River Co.; Dr. Thomas A. Butcher, NORA

The state of Maine is trying to reduce carbon, incentivize heat pumps in a very cold climate. Dead River Co. has been working with NORA to develop and commercialize ethyl levulinate (EL), a liquid fuel made from cellulosic materials. EL has a wide variety

of feedstocks, low pour point and is very stable. Presented will be two field studies on how this product might enter the market.

From CO₂ and Renewable Power to Liquid Hydrocarbons

Dr. Tim Böltken, Ineratec

One of the biggest challenges to move to an electrified economy is that wind and solar are not always generating power when the grid needs it and sometimes they are producing more power than the grid needs. Could that excess electricity be converted to a usable liquid fuel—thus, having a fuel that stores well and is ready for a variety of users throughout Europe. Tim will highlight advances in this technology and how to move it forward.

Future Fuels: Co-Optima

Bob McCormick, National Renewable Energy Lab (NREL)

Fuels and their users have danced a complicated tango since the early days of the automobile. The fights between oil companies and automobile dealers are legend. Bob will discuss the efforts they are undertaking to align next generation fuels with next generation equipment, trying to optimize the benefits of both sides of the equation.

High Biodiesel Blends: Lessons Learned, Challenges & Best Practices

Dr. Tom Butcher, NORA

Dealers in the U. S. have been using biodiesel blends at varying levels for nearly two decades. Tom has been the leading researcher on how those fuels perform in the field and can rebut many of false rumors that have undermined the use of biodiesel. Tom will review the activities and findings of the NORA lab. He will address some common issues with biodiesel and how they are being resolved.

Fuel Quality Solutions

Simon Eiden, Tec4Fuels

The key to all effective heating systems is having a quality fuel in the system. In Germany, fuels are often stored in excess of a year. Simon will describe OWI's efforts to develop and evaluate additives that work effectively with petroleum and biodiesel.

APPLIANCES

DAY 4
SEPT 9

Day 4 will focus on the hardware of heating. What are the potential design and regulatory limits of using low-carbon fuels? What are the world's leading manufacturers doing to ensure that liquid fuel heating equipment will participate in the low-carbon future? Will we see integrated solar heating fuels systems or liquid powered heat pumps? NORA will present a study showing how accelerating the turnover of equipment reduces carbon emissions.



Welcome	John Huber, NORA Dr. Moritz Belling, Eurofuel	9:00 AM (EDT)	15.00 (CET)
Heating Equipment in the U.S.: Responding & adapting to low-carbon fuels	Mario Bouchard, OMA/Granby Industries; Alan Chmiel, R.W. Beckett Corp.; TBD, Carlin Combustion Technology	9:10	15.10
Big benefits from modernizing home heating equipment	Dr. Tom Butcher, NORA	9:50	15.50
Break		10:05	16.05
Heating Equipment in Europe: Standards, innovation & replacement cycles	Guido Saenen; Federica Sabati, EHI; Jerome Lamey, Suntec; Dr. Norbert Azuma-Dicke, Viess- mann Group; Raphael Lang, Bosch Buderus; Giuliano Conticini, Ariston Thermo Group	10:20	16.20
EU Field tests	Gunther Köb, EHI	11:00	17.00
Domestic Heating & Hot Water in the U.S.: Changing standards/new developments	Roger Marran, Energy Kinetics	11:15	17.15
Integrating heating Equipment: Solar & liquid fuels working together	Christian Halper, IWO	11:35	17.35
Wrap-up & Discussion	John Huber, NORA Dr. Moritz Belling, Eurofuel	11:50	17.50

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Heating Equipment in the US:

Responding & Adapting to Low-Carbon Fuels

Mario Bouchard, OMA, Granby Industries; Alan Chmiel, R.W. Beckett Corp.; TBD, Carlin Combustion Technology

Mario will describe the regulatory challenges (UL, ASTM & NFPA) facing equipment manufacturers in the U.S. & Canada and report on Canadian efforts to reduce greenhouse gases and Granby Industries' efforts to meet those

R.W. Beckett Corp. has been developing burners that will meet the industry's needs as well as those of environmental regulators. Alan will describe those efforts and what the expectations are for the future use of the industry.

Carlin Combustion will describe their strategy for the future including working to have a B-20 burner in market and has indicated success with its current line of equipment in burning B-20.

Big Benefits From Modernizing Home Heating Equipment

Dr. Tom Butcher, NORA

NORA has been providing subsidies to encourage the transition of older equipment to be replaced with modern/highly efficient equipment. For many years, NORA has argued that the efficiency labeling used in the U.S. does not capture the actual savings from modernizing equipment. Tom has analyzed the data set from these subsidized conversions and will provide a more accurate view of how much fuel is saved when equipment is replaced.

Heating Equipment in Europe:

Standards, Innovation & Replacement Cycles

Guido Saenen; Federica Sabati, EHI; Jerome Lamey, Suntec;

Dr. Norbert Azuma-Dicke, Viessmann Group; Raphael Lang, Bosch Buderus

A distinguished panel representing leading European manufacturers will describe their activities. The discussion will begin with Guido Saenen and Frederico Sabatti

reviewing the restrictive code bodies in Europe and how they slow the development of equipment. They will also review the current replacement cycle of equipment and what it means to an industry trying to move to the next generation. Jerome Lamey of Suntec will then share what they are doing to have bio-ready equipment in the field, and why they believe this is a good approach for Suntec and the industry. Norbert Azuma-Dicke will then discuss Viessmann group and their next generation equipment, and their view of the changing world. Finally, Bosch Buderus will describe their view of the changing world demand for heating equipment and what they are doing to have that equipment available.

Domestic Heating and Hot Water in the U.S.: Game Changers

Roger Marran, Energy Kinetics

In the U. S., a high percentage of homes heat their domestic hot water with a tankless coil. These have been shown by NORA to be less efficient than indirect water heating. They remain popular because of low-costs and a small footprint. Under a grant from NORA, Energy Kinetics addressed how to make a "tankless coil" efficient while having an acceptable market price.

Proper venting, while not wasting energy up the flue, is a challenge. Energy Kinetics has developed a dilution venting system which avoids condensation and high stack temperatures as a method to improve the efficiency of a standard operating system.

Integrating Heating Equipment:

Solar & Liquid Fuels Working Together

Christian Halper, IWO

The effort to integrate and improve the carbon score of equipment cannot be complete without discussion of solar, the source of all energy. Mr. Halper of IWO will describe their efforts to integrate solar and traditional equipment, thus capturing the free energy of the sun, and lowering the liquid fuel energy requirements of the home.

Presenters (partial list)



Dr. Ernst-Moritz Bellinghen is the President of Eurofuel, the European Heating Oil Association, and the Energy Policy Director at the German Institute for Heating and Oil Technology (IWO).

Dr. Bellinghen was born in Hamburg in 1960, where he passed his Abitur. He then studied process engineering in Clausthal-Zellerfeld and obtained a PhD from the Faculty of Mechanical Engineering at the University of Hannover. He worked as a research assistant for the GKSS Research Centre in Geesthacht, where he managed international scientific research projects. He then became a project engineer for Zeppelin Metalworks in Friedrichshafen.

Dr. Bellinghen joined IWO in 1996 and has been its Energy Policy Director since 2014. He has long been involved in Eurofuel as a member of its Board of Directors & the chairman of its Technical Commission. He became its President in 2016.



Mario Bouchard first took over the reins of the family owned heating oil distribution, installation & service business in the late 80's and since has worked for various heating equipment, oil and gas burners, combustion control systems companies such as ICP, Carrier, Riello Burners and Honeywell.

Since 2010, Mario has been working for Granby Industries where he currently occupies the role of Vice President - Business Development, Sales & Marketing for the Canadian and US markets. Granby Industries has been designing, manufacturing and marketing oil tanks & high-efficiency heating products for more than 65 years.

A strong advocate of the oil industry in Canada and the United States, Mario is actively involved in various associations such as the OPTTA, COHA (Canadian Oil Heating Association), the North American Oil Heat Research Alliance (NORA), OMA (Oil Heat Manufacturing Association) and ADEQ (Association of Energy Distributors of Quebec). He has served on the CSA B139 Technical Committee for several years.



Dr. Thomas A. Butcher is Technical Director of the National Oilheat Research Alliance where he leads a group providing the technical support needed to develop a more efficient, renewable future for this industry. Tom has a long history of research work on energy systems, air pollutant emissions, and the use of biofuels in boilers and furnaces. In addition to his work at NORA, Tom is a Group Leader in Energy Conversion at Brookhaven National Lab,

an Adjunct Professor at Stony Brook University, and an ASHRAE Fellow.



Giuliano Conticini is Burners Division Vice-President at Ariston Thermo Group, taking full responsibility for any aspect of the burners business.

He holds a Master Degree in Mechanical Engineering, from the University of Pisa.

Since 1978 Giuliano worked in BtoB as well as in durable consumer goods.

He spent his career in major companies in the mechanical sector, starting from Nuovo Pignone, then General Electric, where he gained significant operations and product development experience which brought him to cover senior management positions as Oil&Gas Distribution General Manager and Group Production General Manager.

He has more than 18 years experience in the Heating Industry. Prior to joining Ariston Thermo Group, he held different management roles at Riello, up to Burners Division General Manager and Group Executive General Manager.



Michael Devine is the Vice President of Sales & Business Development for World Energy and specializes in creating new market sales and distribution opportunities, bringing practical business solutions to both the petroleum and biodiesel marketplaces.

An early adopter and outspoken advocate of biodiesel integration, Michael has been a seminal figure in our national renewable fuels initiative. He has been a featured national speaker on the subject of biodiesel integration into the US petroleum supply chain and has also worked hand and hand with national and state petroleum associations to develop successful biodiesel education and policy programs.



Sandrine Devos is Secretary General of Eurofuel (the European Heating Oil Association), which represents organisations that promote the use of heating oil and liquid fuels for domestic heating in Europe. Eurofuel is engaged in the promotion of existing and innovative techniques for liquid fuels for heating and equipment, in the domestic market.

A French national, Sandrine studied political sciences and European Affairs in France, Sweden and UK, and worked in Ireland. She has had over 10 years of EU public affairs experience gained in the Brussels arena within UEPG, the European Aggregates Association (construction sector) and within EBI, the European Boating Industry. Familiar with the functioning and challenges of European industry representation, she has a solid network with the EU institutions and a sound understanding of environment-related issues.

Presenters (partial list)



John Huber is the President of the National Oilheat Research Alliance. He has been President since its inception in 2001 and takes overall responsibility for the research and development, education, and all activities that occur within NORA. During his tenure there, he has led the successful reauthorization efforts for NORA in 2005, 2014 and 2019. Under his leadership, the central lab for research and development was developed in New York, and a complete restructuring of education in the industry occurred.

Prior to joining NORA, John was a federal lobbyist at the Petroleum Marketers Association of America, a trucking association and a maritime association. John received his law degree from Hastings College of the Law, and his undergraduate degree from the University of Washington.



Raphael Lang is the head of the engineering department responsible for development of floor of floor standing heating appliances at Bosch Thermotechnik. In 2004, he started in the automotive area at Bosch Engineering GmbH as engineer for calibration and set up of petrol engines. In 2010, he moved to the test field of Bosch Thermotechnik in Lollar becoming team leader for oil applications and became responsible for endurance testing and technical risk analysis in 2014. Raphael studied mechanical engineering at the University of Applied Sciences Gießen-Friedberg.



Jérôme Lamey started to work for the heating industry seven years ago as sales engineer and now Sales & Marketing Director for Suntec Industries.

Suntec Industries promotes high performances and reliable gear pumps for standard and carbon neutral liquid heating fuels.



Giorgia Manno works for bp as Senior Advisor for EU Government Affairs. She has been working in the oil and gas sector for more than ten years, first for Eni (2009-2017), then for FuelsEurope - the Association of EU refiners (2017-2019) and since January 2020 for bp. She has a solid experience in the EU framework, with a focus on energy, business and geopolitics. Particularly involved in the analysis of the EU Green Deal, the

sustainable finance package and the legislation related to low carbon technologies to demonstrate the sector's commitment towards greenhouse gas emissions reductions and the EU's climate goals. She lives in Brussels and speaks six languages.



Dr. Robert L. McCormick is a Senior Research Fellow in the Fuels & Combustion Science group at the National Renewable Energy Laboratory (NREL). This group's research is focused on biofuels properties and fuel-engine interactions including biofuel quality & quality specifications, compatibility with modern engines, combustion, pollutant emissions effects, and leveraging fuel properties for design of more efficient engines. He has a PhD in chemical engineering. Before joining the NREL in 2001, he was a research professor at the Colorado School of Mines. He has coauthored over 125 peer reviewed technical articles and is a Fellow of SAE International.



Courtney Moriarta is NYSERDA's Single Family Market-Rate Residential Director. Ms. Moriarta is leading NYSERDA's building decarbonization efforts in the single family residential sector. She has over 25 years experience working with contractors, builders, utilities, and government to promote and implement energy efficiency and sustainable building solutions. Prior to her work at NYSERDA, she was a consultant for both the state of Massachusetts and the U.S. Department of Energy's Residential Buildings Integration Group in the Office of Energy Efficiency and Renewable Energy supporting their residential energy programs.



Paul J. Nazzaro presides over The Nazzaro Group which has committed the past twenty-five years focusing on the successful commercialization of biodiesel throughout the U.S. He has been instrumental in establishing the foundation for the heating oil industries transition to Bioheat® and has developed training and communication programs designed to educate the supply chain about the advantages of low carbon liquid fuels coast to coast. He also established Advanced Fuel Solutions which has become a highly recognized and regarded fuel quality management organization serving New England and Mid-Atlantic fuel terminals, wholesalers, distributors and fleets. Before starting AFS Paul amassed valuable business skills working himself through multiple levels of the supply chain with Northeast Petroleum, Whaleco, Coastal Oil New England and Global Companies.

Presenters (partial list)



Ryan Rogers began his career in mechanical construction. Since 2015, he has been a general manager for Dead River Company. In that role he has managed retail fuel operations in central and northern Aroostook County Maine. Ryan was the lead employee for the joint NORA Biofine tests of ethyl levulinate, and has worked diligently to overcome operational issues in having this fuel operate in heating oil equipment.



Florian Schäfer is a Political Advisor at Institut für Wärme und Oeltechnik (IWO). IWO is an institution of the German mineral oil industry and a member of Eurofuel.

Florian studied political science, economics & business law in Düsseldorf, Hamburg and Los Angeles. He joined IWO in 2016 where he works on political and legal issues and focuses especially on the regulatory framework needed to increase the market share of low carbon fuels.



Eric Slifka was appointed President and Chief Executive Officer of Global Partners LP in March 2005 and was also named to the Board of Directors of the Partnership's general partner. Global is a Fortune 500 company with 2019 sales of more than \$13 billion, operating income of nearly \$140 million and a diverse base of energy customers across the United States. Slifka has been in the energy industry since 1987. Before becoming Global's president and CEO, he served predecessor organizations in leadership roles, as well as in senior positions in the accounting, supply, distribution and marketing departments. He is a member of the National Petroleum Council and serves on the board of directors of the Energy Policy Research Foundation, Inc. Global owns, controls or has access to one of the largest terminal networks in New England and New York., through which it distributes gasoline, distillates, residual oil and renewable fuels to wholesalers, retailers and commercial customers. In addition, Global engages in the transportation of petroleum products and renewable fuels by rail from the mid-continental U.S. and Canada.



Michael Trunzo is Director of Government Affairs at the firm of Shenker Russo and Clark, LLP, in Albany, NY, and President of Northeast Public Affairs in Lake Placid, NY. Prior to this his current roles, Mr. Trunzo was President and CEO of the New England Fuel Institute (NEFI) and the NEFI Education Foundation. He currently serves on the Executive Committee of the American Energy Coalition and is a member of the Oilheat Manufacturers Association.

Mr. Trunzo's career has spanned government, politics and trade associations. Mr. Trunzo was also Vice Chancellor for Government Relations at the State University of New York, CEO of the Empire State Petroleum Association, and held several posts in New York State government, including Chief of Staff to the New York State Lieutenant Governor and Chief of Staff to a State Senator. Mr. Trunzo holds a Master's Degree in Public Administration and a Bachelor's Degree in Political Science from Long Island University, CW Post Center, Greenvale, NY.



Willem Voets has been General Manager of Informazout and Cedicol since 2015. Prior to joining Informazout, Willem held various management positions in multinational companies in the field of building construction. He has a background as an industrial engineer, and a postgraduate in administration & business management.

Informazout is above all the information center which consumers and professionals can contact for all questions relating to oil heating. The main focus is on sustainable and efficient heating as well as on the combination with renewable energies.

Cedicol is the knowledge center in heating techniques for different energies.

For the first time ever, the **National Oilheat Research Alliance** (NORA) and **Eurofuel** will host a virtual conference on liquid heating fuels in a carbon constrained world. Manufacturers of heating equipment, liquid fuels now in the market and potential fuels of the future will share their ideas and what steps they are taking to be ready for this future.



The European Heating Oil Association (Eurofuel) represents organizations that promote the use of heating oil and liquid fuels for domestic heating in Europe. Our membership covers 10 European countries, including over 10,000 companies. Eurofuel is engaged in the promotion of existing and innovative techniques for liquid fuels for heating and equipment in the domestic market. Its members are committed to ensuring the competitiveness & efficiency of heating with oil and liquid fuels, while also reducing its environmental footprint.

Find out more at Eurofuel.eu and follow us on Twitter ([@EUROFUELenergy](https://twitter.com/EUROFUELenergy))



NORA was authorized by Congress in 2000 to generate funding, from within the industry, allowing the Oilheating industry to provide more efficient and more reliable heat and hot water to American consumers. NORA's efforts focus on Energy Efficiency, Environmental Responsibility, Safety, Research & Development and Professional Education, with particular emphasis on transitioning heating oil and its appliances to a low-carbon source of heat and hot water.

Find out more at NORAwab.org or contact NORA at info@NORAwab.org



REGISTER NOW

