**Ethanol, Octane, and the Future of Motor Fuels**

*A special webinar series featuring MathPro, Inc.*

Automakers continue to push for higher octane fuels to enable greater engine efficiency and facilitate compliance with future fuel economy and GHG standards. The **Renewable Fuels Foundation (RFF)** has teamed up with the fuel refining experts at **MathPro, Inc.** to sponsor an exclusive webinar series that examines ethanol’s unique octane properties and its potential role as the octane source of choice in future fuels. The five-part series will provide stakeholders with a better understanding of the immense opportunities—and the important challenges—that lie ahead for ethanol-based high octane fuels.

### June 15: All About Octane
Definitions of octane, RON, MON, AKI, (R+M)/2; blending octane, sensitivity; ethanol's pure and blending octane in different gasolines; current octane standards; the premium grade split.

### July 7: Gasoline Refining and Blending 101
Key gasoline specifications (octane, RVP, aromatics, sulfur); the concept of specification blending; blending properties of key gasoline components; the role of the reforming process.

### August 18: Gasoline Blending 102 (With Ethanol)
Blending properties of ethanol (octane, RVP, energy content); the RVP waiver for E10 blends; E15 blending considerations; ethanol as gasoline extender vs. octane enhancer; how refiners capture ethanol's blending value; ethanol’s octane contribution to the gasoline pool, 2000-15.

### September 8: Future CAFE Standards
The ramp-up of CAFE standards; using advanced engine technologies (turbocharging, high-CR) to improve fuel economy; how turbocharged and high CR engines benefit from high-octane, mid-level ethanol blends; prospects for high-octane US gasoline pool.

### September 29: Economics of High Octane Fuels
The refining economics of producing BOBs for high-octane, mid-level ethanol blends; alternative sources of additional octane; crude oil prices and the cost of octane; issues in making the transition to a higher octane gasoline pool.

- All Webinars will be held from 11 am-12 pm Central Time
- Webinar series is **FREE** for RFA members
- Fee for non-members is **$250** per session or **$1,000** for all five
- Space is limited. Register today by contacting Missy Ruff at [mruff@ethanolrfa.org](mailto:mruff@ethanolrfa.org) or (202) 446-1944.