

**The Center for BioEnergy Sustainability (CBES)
At Oak Ridge National Laboratory (ORNL)
is pleased to announce that we are holding our next Forum on
Thursday 19th, December 2013
in the Ocoee Room (Room 189) in Building 1505 at 3:30pm**

The forum will be followed by a casual gathering at Virginia Dale's home where light refreshments will be enjoyed as the discussions continue.

**This month's forum topic is:
"An Update of Alternative Fuels and the Renewable Fuel Standard"**

Guest Speaker:

Tim Theiss

Laboratory Relationship Manager, Bioenergy Technologies Office, Oak Ridge National Laboratory

Abstract:

The Renewable Fuel Standard mandates significant volumes of renewable fuel, both conventional and advanced biofuels. In the latest revision in 2007, 36 billion gallons of renewable fuel are mandated in 2022, including 21 billion gallons of advanced biofuels. The EPA sets the target volumes of both convention and advanced biofuels each year and is proposing to lower the mandated volume of renewable fuels for 2014. The proposed renewable fuel volumes will be reviewed in context of the original mandate. The implications of the proposed volumes on various biofuels will be discussed. An update of the various alternative transportation fuels will be provided, especially the various ethanol blends being sold. In addition, new ethanol blends and higher order alcohol blends currently under development will be defined and discussed.

Bio:

Mr. Theiss has been on the staff at ORNL since 1987, as a research development staff member, a program manager and group leader. He has a BS degree in Engineering Science and Mechanics from Tennessee Tech with a Master's degree in Engineering Mechanics from Virginia Polytechnic Institute (Virginia Tech). He has 20 years of experience in program development and program management at ORNL in various technical areas, mostly related to power systems and reciprocating engine-based power generation. From 2008 to 2012, Tim led ORNL's Fuels & Engines Research Group, one of the larger comprehensive internal combustion engine research and development groups in the DOE system. Tim was very active in the ORNL intermediate ethanol blend effort for the past few years interacting with DOE Bioenergy Technologies Office and Office of Vehicle Technology, as well as other stakeholders. Since October 2011, Tim has been serving as the Laboratory Relationship Manager for the DOE Bioenergy Technologies Office.