Workshop: Technical and Policy Responses to the Health Risks of Ultrafine Particles and Air Toxics from Light-Vehicle Emissions

Tuesday, June 3rd, 2014

United Nations Foundation, 1750 Pennsylvania Avenue, NW, 12th Floor Conference Center

Opening Remarks (1:30 pm): Amb. C. Boyden Gray, Reid Detchon

Expert Panel (1:45 pm): What technical solutions in engine technology, fuel chemistry and particle control are available?

- What challenges and opportunities are being explored in new generation combustion engines, particularly in light of increasing efficiency standards?
- What is the current state of particle control technologies? What options are available to address ultrafine particles (UFPs) and formation of polycyclic aromatic hydrocarbons (PAHs)?
- What is the level of uncertainty about the contributions of conventional gasoline and diesel contribute to UFPs and PAHs?
- What alternative liquid fuels or formulations are available, utilizing the infrastructure in place, to reduce the formation of UFPs and PAHs, and what is the state of the market for their production, distribution, and use?
- What are the effects on fuel efficiency and vehicle performance of alternative liquid fuels?
- What federal policies would help in achieving the multiple objectives of efficiency, cost-effectiveness, engine performance, and minimum emissions of GHGs or harmful pollutants, in particular UFPs and PAHs?

  Panelists:
  - Dr. Derek Splitter, Oak Ridge National Laboratory
  - Dr. Rasto Brezny, MECA
  - Bill Woebkenberg, Mercedes
  - Steve Vander Griend, ICM

General Discussion (3:15 pm): A moderated discussion considering technical and policy approaches to addressing the public health threat of fine particulate matter pollution. Attendees will have the opportunity to offer insight, research findings, and further questions for consideration.

Adjourn (4:00 pm)