

# Introduction

**MSTRS MOVES Review Work group**  
**July 31, 2012**

**Air Quality & Modeling Center**  
**Assessment and Standards Division**  
**U.S. EPA Office of Transportation & Air Quality**

The MOVES logo is displayed in a stylized, metallic, 3D font with a glowing effect, set against a dark, gradient background.

**MOVES**



# Today's Agenda

- **09:00-09:15**      **Welcome, Introductions - John Koupal**
- **09:15-09:45**      **MOVES2010a/b Rollout Overview/Experiences - Gary Dolce**
- **09:45-10:45**      **MOVES Validation - John Koupal, David Choi**
- **10:45-11:15**      **MOVES 2013 Plans/Directions - Wm Aikman, Ari Kahan**
- **11:15-11:30**      **MOVES Nonroad Plans/Directions - Ed Glover**
- **11:30-12:00**      **General Discussion/Wrapup - John Koupal, Matt Barth**

# Workgroup Charge

- **Focus on next version of MOVES (MOVES2013) and beyond...**
- **Evaluating data sources and analysis methods proposed for use in developing MOVES:**
  - emission rates
  - fleet and activity inputs
  - fuel adjustments and other inputs
- **Commenting on and/or suggesting new user features and enhancements**

# Workgroup Format

- EPA presents on proposed updates to MOVES, including underlying data and analyses as appropriate
- Meeting notes will be summarized by EC/R ([battye.becky@ecrweb.com](mailto:battye.becky@ecrweb.com)) and distributed to workgroup following the meetings
- Workgroup members coordinate within their organizations and with their constituents to solicit comments on EPA's proposals prior to the next meeting
- Written comments submitted by representatives to EC/R by deadline given; compiled comments distributed and discussed at following workgroup meeting
- Workgroup members also given the opportunity to review draft MOVES technical reports as they become available
- Workgroup will develop recommendations to the MSTRS based on proceedings of workgroup meetings
- During meetings, discussion preference will be given to workgroup members; others are encouraged to submit questions or comments to [mobile@epa.gov](mailto:mobile@epa.gov)

## Tentative Meeting Schedule

- - July 2012 Validation, 2013 plans
- - Sept 2012 HD updates, new features
- - Nov 2012 Evap updates
- - Jan 2013 Fuel updates
- - March 2013 Nonroad updates
  
- Will discuss specific dates during our wrap-up session

# MOVES Review Work Group Members

- **Alliance of Automotive Manufacturers (Alliance)**
  - Giedrius Ambrozaitis [gambrozaitis@autoalliance.org](mailto:gambrozaitis@autoalliance.org)
- **American Association of State Highway and Transportation Officials (AASHTO)**
  - Tim Sexton, Washington State DOT, [sextont@wsdot.wa.gov](mailto:sextont@wsdot.wa.gov)
- **American Petroleum Institute (API)**
  - David Lax [Lax@api.org](mailto:Lax@api.org)
- **Global Automakers**
  - Bob Maxwell [remaxwell@comcast.net](mailto:remaxwell@comcast.net)
- **Association of Equipment Manufacturers (AEM)**
  - Tom Darlington [tdarlington@airimprovement.com](mailto:tdarlington@airimprovement.com)
- **Association of Metropolitan Planning Organizations (AMPO)**
  - Rich Denbow [rdenbow@ampo.org](mailto:rdenbow@ampo.org)
- **California Air Resources Board (CARB)**
  - Chengfeng Wang [cwang@arb.ca.gov](mailto:cwang@arb.ca.gov)
- **Coordinating Research Council (CRC)**
  - Susan Collet [Susan.collet@tema.toyota.com](mailto:Susan.collet@tema.toyota.com)

# MOVES Review Work Group Members

- **Engine Manufacturers Association (EMA)**
  - Tom Darlington [tdarlington@airimprovement.com](mailto:tdarlington@airimprovement.com)
- **Federal Highways Administration (FHWA)**
  - Cecilia Ho [Cecilia.ho@dot.gov](mailto:Cecilia.ho@dot.gov)
- **Manufacturers of Emission Controls Association (MECA)**
  - Joe Kubsh [jkubsh@meca.org](mailto:jkubsh@meca.org)
- **National Association of Clean Air Agencies (NACAA)**
  - Karin Landsberg, Alaska DEC [Karin.landsberg@aolaska.gov](mailto:Karin.landsberg@aolaska.gov)
  - Chuck Gebhardt, Illinois EPA, [Chuck.gebhardt@illinois.gov](mailto:Chuck.gebhardt@illinois.gov)
  - Marc Bennett, Massachusetts DEP, [marc.bennett@state.ma.us](mailto:marc.bennett@state.ma.us)
  - Steven Flint, New York State DEC, [seflint@gw.dec.state.ny.us](mailto:seflint@gw.dec.state.ny.us)

# MOVES Review Work Group Members

- **TRB Transportation and Air Quality Committee (ADC 20)**
  - Jane Lin [janelin@uic.edu](mailto:janelin@uic.edu)
- **University of California, Berkeley**
  - Robert F. Sawyer [sawyer@berkeley.edu](mailto:sawyer@berkeley.edu)
- **North Carolina State University**
  - Chris Frey [frey@ncsu.edu](mailto:frey@ncsu.edu)
- **Georgia Tech**
  - Michael Rodgers [Michael.rodgers@ce.gatech.edu](mailto:Michael.rodgers@ce.gatech.edu)
- **University of California, Riverside**
  - Matthew Barth (co-chair) [barth@cert.ucr.edu](mailto:barth@cert.ucr.edu)
- **West Virginia University**
  - Mridul Gautam [Mridul.Gautam@mail.wvu.edu](mailto:Mridul.Gautam@mail.wvu.edu)
- **EC/R (Meeting Support)**
  - Becky Battye [battye.becky@ecrweb.com](mailto:battye.becky@ecrweb.com)
- **U.S. EPA**
  - John Koupal (co-chair) [koupal.john@epa.gov](mailto:koupal.john@epa.gov)