



Welcome to the MOVES FACA Review Work Group

September 14, 2016

The meeting will begin shortly.



Meeting Agenda 1pm-4pm EDT

- Welcome
- Review Work Group Charter and Logistics
- Introductions/Attendance
- Presentations
 1. MOVES2014 Overview and Plans for the Future
 2. Options for Simplifying MOVES Onroad Source Types and Ramps
 3. <Break>
 4. MOVES-Nonroad Model Plans and Data Updates
 5. HDGHG Phase 2 in MOVES
- Future Meetings / Wrap-up



Welcome

Welcome from the Chairs:

Dr. Matthew Barth

Director, Center for Environmental Research and Technology (CE-CERT)
University of California, Riverside

Megan Beardsley

Acting Director, Air Quality and Modeling Center
EPA Office of Transportation and Air Quality



Mobile Sources Technical Review Subcommittee Charter for MOVES Review Work Group

The MOVES Review Work Group is a work group formed under the Mobile Sources Technical Review Subcommittee (MSTRS). Supplementing EPA's separate peer review efforts, the MOVES Review Work Group is charged to provide input to EPA via the MSTRS and the Clean Air Act Advisory Committee on specific issues regarding the development of the Motor Vehicle Emission Simulator (MOVES). MOVES is an emission modeling system used to estimate air pollution emissions from highway vehicles and nonroad mobile sources.

The MOVES Review Work Group shall serve as an advisory group to the MSTRS on:

- Evaluating data sources and analysis methods proposed for use in developing **emission rates** to be used in the MOVES model.
- Evaluating data sources and analysis methods proposed for use in developing **fleet and activity inputs** to be used in the MOVES model.
- Evaluating data sources and analysis methods proposed for use in developing **emission adjustment factors** to be used in the MOVES model.
- Evaluating the format of MOVES **input and output structures** and the usefulness of these formats in meeting the needs of modelers developing State Implementation Plans (SIPs) and transportation conformity determinations.



Mobile Sources Technical Review Subcommittee Charter for MOVES Review Work Group

The MOVES Review Work Group shall meet three to four times a year over the next few years, in person and in teleconference.

MOVES Review Work Group members will review draft MOVES reports as they become available and will work collaboratively to provide timely, shared recommendations to the MSTRS which will evaluate them and decide how these issues should be reported to the full Clean Air Act Advisory Committee, which alone may formally give EPA collective advice.

The MOVES Review Work Group shall consist of members who have expertise in modeling emissions from highway and nonroad vehicles and who represent a spectrum of stakeholders, including vehicle and engine manufacturers, fuel producers, state and local emission modelers, academic researchers, environmental advocates, and affected federal agencies.



Meeting and Webinar Logistics

- Work group meetings are intended to facilitate conversation among a relatively small group of informed stakeholder representatives – but other interested parties are welcome to attend.
- Each meeting will include several EPA presentations and time for questions and discussion.
- A contractor will take notes on each meeting.
 - Please state your name when speaking, so the contractor can attribute comments correctly.
 - When not speaking, please keep your phone on mute.
- Follow-up questions and comments should be sent to EPA within four weeks of the meeting
 - Comments should be sent to Sarah Roberts (Roberts.Sarah@epa.gov).
 - **Deadline for comments: Oct. 12, 2016.**
- EPA will respond to submitted questions in subsequent meetings.
- The attendance list, presentations, and meeting notes will be posted on the MOVES web site after each meeting
 - <https://www3.epa.gov/otaq/models/moves/>



Work Group Members

2016-2017 MOVES FACA Review Work Group Members

Name	Home Organization	Representing Organization
Matthew Barth	University of California, Riverside (CE-CERT)	University of California, Riverside (CE-CERT); Workgroup Co-Chair
Megan Beardsley	EPA OTAQ	EPA; Workgroup Co-Chair
Ed Nam	EPA OTAQ	EPA; Workgroup Co-Chair
Gil Grodzinsky	Georgia Department of Natural Resources	National Association of Clean Air Agencies (NACAA)
Dale Wells	Colorado Department of Public Health and Environment	National Association of Clean Air Agencies (NACAA)
Chris Kite	Texas Commission on Environmental Quality	Association of Air Pollution Control Agencies (AAPCA)
David D'Onofrio	Atlanta Regional Commission	Association of Metropolitan Planning Organizations (AMPO)
Ross Patronsky	Chicago Metropolitan Agency for Planning	Association of Metropolitan Planning Organizations (AMPO)
Chris Voigt	Virginia Department of Transportation	Amer. Assoc. of State Highway and Transportation Officials (AASHTO)
Vernon Hughes	California Air Resources Board (CARB)	California Air Resources Board (CARB)
Joe Jakuta	Ozone Transport Commission (OTC)	Ozone Transport Commission (OTC)
Mark Janssen	Lake Michigan Air Directors Consortium (LADCO)	Lake Michigan Air Directors Consortium (LADCO)
Jim Kliesch*	Honda	Honda
Giedrius Ambrozaitis	Alliance of Automobile Manufacturers	Alliance of Automobile Manufacturers
Susan Collet	Toyota	Coordinating Research Council (CRC)
David Lax	American Petroleum Institute (API)	American Petroleum Institute (API)
Mike Geller	Manufacturers of Emission Controls Association (MECA)	Manufacturers of Emission Controls Association (MECA)
Tim French	Engine Manufacturers Association (EMA)	Engine Manufacturers Association (EMA)
Cecilia Ho	Federal Highway Administration (FHWA)	Federal Highway Administration (FHWA)
Matthew Thornton	National Renewable Energy Laboratory (NREL)	National Renewable Energy Laboratory (NREL)
Chris Wolfe	Environmental Defense Fund (EDF)	Environmental Defense Fund (EDF)
John German	International Council on Clean Transportation (ICCT)	International Council on Clean Transportation (ICCT)
Christopher Frey	North Carolina State University	North Carolina State University
Britt Holman	University of Vermont	University of Vermont

* Member of MSTRS