



# MOVES

Motor Vehicle Emission Simulator

## Welcome to the MOVES Review Work Group

April 10, 2019

### Local Conference Lines:

EPA Region 1 (Boston): 857-702-8290  
EPA Region 3 (Philadelphia): 484-352-3221  
EPA Region 5 (Chicago): 312-667-7115  
EPA Region 7 (Kansas City): 913-608-8349  
EPA Region 9 (San Francisco): 628-246-1294  
EPA RTP (Raleigh): 984-444-7480

EPA Region 2 (New York City): 347-384-7287  
EPA Region 4 (Atlanta): 470-705-2279  
EPA Region 6 (Dallas): 469-250-2701  
EPA Region 8 (Denver): 720-642-6536  
EPA Region 10 (Seattle): 206-800-4483

The meeting will begin shortly.



# Meeting Agenda

- Welcome and Roll Call
- EPA Presentations
  1. Updates to EPA's Motor Vehicle Emission Simulator – Highlights from Presentation to CRC Real World Emissions Workshop
  2. Updates to “High-Power” Emission Rates and Start Deterioration for Light-Duty Vehicles
  3. Updates to MOVES Heavy-Duty Running Exhaust Rates: Diesel, Gasoline, and CNG
  4. Modeling of Gliders in MOVES
- Discussion / Wrap-up



# Member Roll Call

<b>Name</b>	<b>Home Organization</b>	<b>Representing Organization</b>
Matthew Barth	University of California, Riverside (CE-CERT)	University of California-Riverside (CE-CERT); Work Group Co-Chair
Megan Beardsley	EPA OTAQ	EPA; Work Group Co-Chair
Giedrius Ambrozaitis	Alliance of Automobile Manufacturers	Alliance of Automobile Manufacturers
Susan Collet	Toyota	Coordinating Research Council (CRC)
David D'Onofrio	Atlanta Regional Commission	Association of Metropolitan Planning Organizations (AMPO)
Tim French	Engine Manufacturers Association (EMA)	EMA
Christopher Frey	North Carolina State University	North Carolina State University
Mike Geller	Manufacturers of Emission Controls Association (MECA)	MECA
John German	International Council on Clean Transportation (ICCT)	ICCT
Gil Grodzinsky	Georgia Department of Natural Resources	Association of Air Pollution Control Agencies (AAPCA)
Cecilia Ho	Federal Highway Administration (FHWA)	FHWA
Britt Holmen	University of Vermont	University of Vermont
Vernon Hughes	California Air Resources Board (CARB)	CARB
Mark Janssen	Lake Michigan Air Directors Consortium (LADCO)	LADCO
Chris Kite	Texas Commission on Environmental Quality	AAPCA
Jim Kliesch	Honda	Honda
David Lax	American Petroleum Institute (API)	API
Lubna Shoaib	East-West Gateway Council of Governments	AMPO
Matt Solomon	Northeast States for Coordinated Air Use Management (NESCAUM)	NESCAUM
Matthew Thornton	National Renewable Energy Laboratory (NREL)	NREL
Steven Vander Griend	ICM Inc.	Energy Future Coalition/Urban Air Initiative
Chris Voigt	Virginia Department of Transportation	Amer. Assoc. of State Highway and Transportation Officials (AASHTO)
Dale Wells	Colorado Department of Public Health and Environment	National Association of Clean Air Agencies (NACAA)
Chris Wolfe	Environmental Defense Fund (EDF)	EDF
Wei Zhang	Idaho Department of Environmental Quality	NACAA