

# Introduction

FACA MOVES Review Workgroup

July 9, 2013

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, three-dimensional font with a glowing effect, set against a dark, gradient background.

MOVES



# Today's Agenda

- **01:00-01:30PM**    **Welcome, Review of Prior Meeting - Ed Nam**  
**Report to MSTRS – Matt Barth**
- **01:30-04:00PM**    **Population Updates – Andrew Eilbert**  
**Activity and VMT Updates – David Brzezinski**  
**TOG Speciation – Harvey Michaels**  
**PM Speciation – Darrell Sonntag**  
**MOVES2013 Additional HAPs – Rich Cook**  
**Cold Temperatures – David Hawkins**
- **04:00-04:30**        **General Discussion/Wrap-up - Ed Nam, Matt Barth**

# Why we're here: 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**

## MOVES2013 questions raised by Connecticut

- **Some data provided to EIS are specific to 2011. It would be important to properly fit this 2011 specific data into MOVES given the significant role that future year data and emissions play in SIP and conformity analyses. Is there any plan to use state MOVES 2011 EIS submittals to update the MOVES2013 database? If so will timing allow submittals provided in the April window to be used?**
- ***Some of the information in the default MOVES database is county specific, but EPA guidance suggests that states and local agencies should always use the County scale for inventory modeling. The County scale requires the use of a county specific database that can contain all of the county specific information. EPA uses these state submitted county databases with county specific information when creating national inventories.***

## MOVES2013 questions raised by Connecticut

- Will the representative counties assigned by EPA to estimate 2011 NEI emission factors for use with SMOKE-MOVES impact updates planned for MOVES2013?
- *No. MOVES is designed to run only a single county at a time when in the County scale mode. Each representing county is run individually.*

## MOVES2013 questions raised by Connecticut

- **Will there be an opportunity and available path to provide a more complete MOVES2013 update for an input that is easy for a state to produce, say Inspection and Maintenance (IMCoverage table)? If this opportunity existed, we would probably only update data immediately available (say 2011 to 2050). Note that 2011 data would be the actual observations submitted to EIS, while the future year inputs would be based off of the Inspection and Maintenance State Implementation Plan (SIP) data. Also note that future year data would drop out inspection programs that are no longer applied in future years. Could this be effectively communicated and managed?**
- ***There is currently no process developed, other than the Emission Inventory System (EIS) developed for the National Emission Inventory (NEI) project, that states can use to formally submit proposed changes to the default MOVES database. EPA can use the information submitted to the EIS to update the default MOVES database for updating the NEI 2011 calendar year, but there is no process for states to submit changes intended for (future) calendar years not yet included in the NEI.***

## MOVES2013 questions raised by Connecticut

- **Is there any plan to update the MOVES CountyYear table for Stage II refueling? We expect to generate better defaults, but also expect the elimination of Stage II requirements in the near future.**
- ***The CountyYear table is not normally part of the standard set of tables required by the County Data Manager when constructing county specific databases. For the 2011 NEI, EPA requested that states review and submit any changes to the CountyYear table for calendar year 2011 as part of their data submissions. EPA can use the EIS data submitted by states regarding Stage II programs to update the default information in the MOVES database for the 2011 calendar year.***

# Temperature effects on fuels

- “...the EPA should include temperature effects on fuels in MOVES2013 (Phil Heirigs)”
- *We are still investigating this resolution of this suggestion*



# Comments

- Other comments?

## **Comments to MSTRS – Matt Barth**