

MOVES Development Plans

MOVES Workshop
June 2011

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The word "MOVES" is displayed in a stylized, metallic, three-dimensional font with a glowing effect, set against a dark, gradient background.

MOVES Working Schedule

Late 2011

MOVES2010b

Performance and usability improvements

New features

No changes to emission rates

Not a new “version” of MOVES

Early 2013

MOVES2013

More performance and usability improvements

More new features

Incorporate new vehicle emission standards

Improvements to MOVES emission rates

A “new version” from a policy perspective

MOVES

Late 2011

MOVES2010B



Performance Improvements

- **Faster algorithms reduce runtime, especially for MOVES generators**
- **Improved ability for MOVES runs in alternate environments:**
 - On a grid of computers
 - On the “cloud”
 - Using Linux
- **Individual runtimes will vary, depending on equipment, configuration and the type of run**

Planned Additional Features

- Ability to calculate Extended Idle emissions for county-level SCC rates output
- Ability to calculate refueling emissions as emission rates-per-distance
- Add Nitrous Acid (HONO) output needed for air quality models

Improved Interface

- **Better error checking and warnings in GUI and importers**
- **New Project-Level post-processing scripts installed with MOVES**

MOVES

Early 2013

MOVES2013



MOVES2013 Plans

- **New data on fuel effects**
 - EPACT study
 - Fuel sulfur study
- **New data on vehicle evaporative emissions**
- **New data on base emission rates**

MOVES2013 Plans (cont.)

- **Incorporate new vehicle emission standards**
 - HD GHG
 - LD GHG
 - Tier 3
- **Additional features and usability improvements**
 - More air toxics
 - Other?

Feedback

- **Want feedback from MOVES users on what new features are highest priority**
- **Day 3 of this workshop includes detailed discussion on this topic**
- **Suggestions are always welcome at mobile@epa.gov**