

Air Quality

Transportation Conformity

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Training

Contacts

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MOBILE

MOBILE is EPA's highway vehicle emissions model for predicting gram-per-mile emissions of hydrocarbons (HC), carbon monoxide (CO), nitrogen oxides (NOx), carbon dioxide (CO2), particulate matter (PM), and toxics from cars, trucks, and motorcycles under various conditions. The current version of the model (MOBILE6.2) was released in 2004.

Software

- [EPA's MOBILE6 Vehicle Emission Modeling Software](#) - EPA website for its MOBILE6 Vehicle Emission Modeling Software, as well as related presentations and training resources

Policy & Guidance

- [Technical Guidance on the Use of MOBILE6 for Emission Inventory Preparation](#) (August 2004) - EPA guidance on appropriate input assumptions and sources of data for the use of MOBILE6.2 in SIP and conformity related submissions
- [Official Release of the MOBILE6.2 Motor Vehicle Emissions Factor Model and the December 2003 AP-42 Methods for Re-Entrained Road Dust](#) (May 2004) - Federal Register Notice announcing the availability of the MOBILE6.2 motor vehicle emissions factor model for official use in particulate matter (PM10 and PM2.5) SIPs and transportation conformity determinations outside of California
- [Policy Guidance on the Use of MOBILE6.2 and the December 2003 AP-42 Method for Re-Entrained Road Dust for SIP Development and Transportation Conformity](#) (February 2004) - EPA guidance that describes how and when to use MOBILE 6.2 and the December 2003 AP-42 method in SIP development and transportation conformity determinations
- [Official Release of the MOBILE6 Motor Vehicle Emissions Factor Model](#) (January 2002) - Federal Register Notice announcing the availability of EPA's MOBILE6 motor vehicle emissions factor model for official use outside of California
- [Policy Guidance on the Use of MOBILE6 for SIP Development and Transportation Conformity](#) (January 2002) - EPA guidance on how and when to use MOBILE 6.2 and the December 2003 Update to AP-42 in SIP development and transportation conformity determinations

Research

- [MOBILE6 Implementation Experience](#) (June 2005) - FHWA, in conjunction with the Association of Metropolitan Planning Organizations (AMPO) Air Quality Subcommittee, worked with a group of MPOs to document their experience in applying MOBILE6 in the conformity process. Thus purpose of the study is to provide an understanding of what steps these organizations took to prepare for use of the new MOBILE model and to identify potential training and technical assistance needs. Specifically, this study documents how MPOs are implementing MOBILE6, what data are being collected locally, and how data are being collected and identifies implementation issues that arose during the transition to MOBILE6.
- [Screening Procedures for Project-Level Hotspot Analysis](#) (or [PDF](#), 244KB)(April 2004) - FHWA Resource Center paper that provides a summary of project-level CO screening procedures developed and adopted by transportation agencies throughout the nation, highlights several innovative practices, and offers recommendations for developing refined screening protocols
- [Sensitivity Analysis of MOBILE6 Motor Vehicle Emission Factor Model](#) (or [PDF](#), 1.24MB) - FHWA Resource Center paper that provides a basic evaluation of the MOBILE6 model behavior under various condition

Training

- [FHWA Air Quality Resource Center Training](#)

PDF files can be viewed with the [Acrobat® Reader®](#)

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