Announcements

FHWA Announces Round 5 of Alternative Fuel Corridor Designations

FHWA announced the fifth round of Alternative Fuel Corridor designations on April 22, 2021 in support of establishing a national network of alternative fueling and charging infrastructure along national highway system corridors.

FHWA Releases Updated CMIP Tool

The FHWA released a new web-based tool called the Coupled Model Intercomparison Project Processing Tool Version 2.1 (CMIP Tool) to help planners and designers access climate projections (developed using scientific models of Earth’s changing climate) and calculate temperature and precipitation variables for future time periods that can support analysis at the project and regional scales. The intent is to make highway infrastructure more resilient to a range of future climate scenarios (changes in temperature and precipitation) using this data.

FHWA Publishes Report on Funding EV Charging Infrastructure

FHWA published the report titled Federal Funding is Available for Electric Vehicle Charging Infrastructure on the National Highway System on April 22, 2021.

FHWA Announces New Resource Center Air Quality Team Leader

FHWA welcomes its newest team leader for the Air Quality Team, Mike Roberts, of the Resource Center Environment, Air Quality and Realty Technical Service Team. Mike worked for the FHWA Resource Center as an Air Quality Specialist for the past 20 years. Mike is a nationally recognized expert in air quality and noise modeling training and project support, as well as the delivery of the Northern Transportation and Air Quality Summit. In his new role he will lead the delivery of MOVES3, Climate Change, Air Quality Dispersion Modeling and Noise Modeling training and technical support.
FHWA Releases Updated Engineering Circular on Highways in the Coastal Environment

HEC-25, 3rd Edition, Highways in the Coastal Environment, is a comprehensive reference for transportation professionals for analyzing, planning, designing, and operating coastal highways. The manual includes: (1) discussion of Federal requirements and policies; (2) summaries of relevant coastal science, including climate change, sea level rise projections, and modeling tools; (3) common planning and design issues for coastal bridges and highways; and (4) methods for assessing the vulnerability of coastal highways to extreme events with future sea level rise, including potential adaptation strategies to improve resilience. The manual includes considerations of global sea level rise values to consider as part of an analysis: 2 feet minimum by 2100, and 4 feet by 2100 for critical or “high value” infrastructure. The manual provides insights on how to approach other higher and lower values possible using differing models and under differing levels of uncertainty.

President Biden’s Infrastructure Plan Released

On March 31, 2021 President Biden’s Infrastructure Plan was released. This plan focuses on rebuilding aging infrastructure, prioritizing clean infrastructure investments such as electrifying vehicle charging ports, modernizing public transit, passenger rail, freight rail, road, and bridges, and electric grid modernization, while working to address racial injustice, create jobs, and raise wages.

EPA Releases MOVES3 Patch

The Environmental Protection Agency (EPA) released MOtor Vehicle Emission Simulator (MOVES) version 3.0.1 in March 2021, which fixes issues with processing an aggregation and includes scripts to assist with checking submissions for the 2020 National Emissions Inventory, see the Update Log for details on the update.

EPA Releases MOVES3 Overview Report

EPA released the Overview of EPA’s MOtor Vehicle Emissions Simulator (MOVES3) report which provides a high-level overview of MOVES3, a comparison between MOVES2014b and MOVES3, and references to additional information.
CEQ Draft National Environmental Policy Act Guidance Rescinded


AMPO 2021 Annual Conference Call for Proposals

The Association of Metropolitan Planning Organization (AMPO) call for proposals for the Annual Conference on October 5-8, 2021 in Scottsdale, Arizona is open. The conference website contains guidelines on submitting a proposal as well as topics of particular interest. Note that there is a call for Transportation System Resiliency, Climate Change, and Transportation and Health topics.

Streetsmart Provides Resources for Considering Climate Change, Public Health and Equity in Transportation

Streetsmart developed an Evidence and Insight For Healthy Transportation tool. This platform provides strategies for transportation practitioners to make the case for healthy investments and prioritize plans and programs that meet community goals for increasing physical activity, walking, and bicycling; reducing vehicle miles traveled and greenhouse gas emissions; and improving equity and inclusion.

Events

Webinar: Ending the Energy-Poverty Nexus: An Ethical Imperative for the Low-Carbon Energy Transition

4/30/2021 12:00-1:15 PM (MT) Join Clark Miller, a professor at the School for the Future of Innovation in Society at Arizona State University for a talk on the relationship between energy systems, sustainable alternatives, and poverty.

Webinar: MOVES3 Information for Experienced MOVES Modelers

5/5/2021 2:00-4:00 PM (ET) Join EPA’s Office of Transportation and Air Quality for a webinar on the differences between MOVES3 and MOVES2014b. This webinar has been designed for experienced MOVES modelers and will cover new MOVES3 features, improvements to the user interface, built-in MOVES tools, and resources. Join the MS Teams meeting on 5/5 via this link.
Training: MOVES3

5/10 – 5/13, 2021 FHWA’s Resource Center is conducting virtual training on EPA’s recently released MOVES3 mobile source emissions model. We will cover the functionality of the model, input requirements, output processing, and will address relevant EPA and FHWA guidance documents. The course also includes hands-on exercises that will demonstrate several realistic modeling scenarios applicable to GHG, conformity (regional and project-level), and NEPA analyses. The intended audience are those who use (or expect to use) MOVES or those who will be reviewing MOVES-based analyses. Contact Chris Dresser for addition details.

Webinar: FHWA CMIP Processing Tool 2.1: Using Future Climate Data for More Resilient Infrastructure Design

5/19/2021 1:30 – 3:30 PM (ET) This hands-on webinar on FHWA’s updated CMIP Processing Tool Version 2.1 will give a brief introduction to understanding and utilizing climate projections to inform infrastructure planning and design. Follow along in real-time while the speaker steps through the process of downloading data, inputting the data, and downloading variables and statistics. The webinar will end with a hydrologic analysis example of how data from the CMIP tool can be incorporated in the normal engineering workflow with minimal effort. Note that the May 5 occurrence of this webinar is full. Register for the May 19 webinar today!

Workshop: How We Move Matters

7/13-7/21/2021 11:30 AM – 5:30 PM (ET) The National Academies of Sciences, Engineering, and Medicine is hosting a multi-day workshop called How We Move Matters. This workshop will explore environmental impacts from technology-enabled transportation services, existing research, and needed research on the anticipated environmental health challenges related to emerging transportation services.

Webinar: Transit impacts on Jobs, People, and Real Estate

Recording from 3/23/2021 A recording of a webinar hosted by National Institute for Transportation and Communities (NTIC) on how transit accessibility influences where people live and work, and tools for land use planning is available on the NTIC website.
FHWA Resource Center Environment, Air Quality & Realty Team
Training Activities

FHWA’s Resource Center Environment, Air Quality & Realty Team is available to offer MOVES and other trainings. Please contact George Noel, for additional information or to discuss scheduling a training.

FHWA Web-Based Transportation Conformity Training

Several web-based transportation conformity training opportunities are available on-demand from FHWA’s conformity training website (under "Web-based Training"). The target audience for these training materials are FHWA staff and State and local transportation partners (MPOs and State DOTs) who are either new to or would like a refresher training on the conformity process. For questions, please contact David Kall.

FHWA CMAQ 101 Training

FHWA posted a 27-minute YouTube video on the CMAQ program. The video provides a basic introduction to the program, how CMAQ funds are distributed to States, and the types of projects eligible for the CMAQ program. For more information about the CMAQ program, please contact Mark Glaze.

FHWA NEPA Air Quality Analysis for Highway Projects

The FHWA Resource Center Environment, Air Quality & Realty Team periodically conducts a series of training sessions on National Environmental Policy Act (NEPA) Air Quality Analysis for Highway Projects. The training includes sessions on project-level applications appropriate for managers and practitioners, as well as hands-on sessions intended for modelers. If you are interested in this training, please contact George Noel.
**FHWA Web-Based TNM Training**

FHWA has created a [Traffic Noise Model (TNM) Playlist on its YouTube Channel](https://www.youtube.com/playlist). These short-format videos demonstrate how to install TNM, complete basic tasks in the software, and provide details on specific features. Additional videos will be added throughout the year. Additional TNM Training materials are available on the [FWHA Noise Training Website](https://www.fwihq.dot.gov). For technical assistance with TNM please contact [TNMHelp@dot.gov](mailto:TNMHelp@dot.gov).

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**NHI No Cost Highway Traffic and Construction Noise Course**

FHWA’s Planning, Environment, Traffic, and Realty office and the National Highway Institute (NHI), in cooperation with the Resource Center and Division Offices, have updated and launched a web-based Traffic Noise Training Course. This on-demand, web-based training was a previously multi-day, instructor-led course. This course is now available on the NHI website at no cost and provides a comprehensive overview of all aspects of the highway traffic noise program. The courses are available on the [NHI website](https://www.nhi.fhwa.dot.gov) by searching for “highway noise” and locating course codes 142086 – 142094.

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**NHI No Cost Air Quality Planning Web Course**

The NHI Air Quality Planning web-based training series is designed for transportation practitioners. It includes four modules: Clean Air Act Overview (FHWA-NHI-142068), SIP and Transportation Control Measure (TCM) Requirements and Policies (FHWA-NHI-142069), SIP Development Process (FHWA-NHI-142070), and Transportation Conformity (FHWA-NHI-142071). All courses are free. For more information, visit the [NHI website](https://www.nhi.fhwa.dot.gov) and search “Air Quality Planning,” or look for the specific course number. Please contact [Karen Perritt](mailto:Karen.Perritt@fhwa.dot.gov) with any questions or comment.
Contact Us

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Please e-mail Victoria.Martinez@dot.gov with suggestions for future issues.

Past issues of the Air Quality and Sustainability Highlights are available on FHWA’s [Air Quality website](#) and [Sustainability website](#).

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