

July/August 2020

Air Quality and Sustainable Transportation Highlights

*Prepared by the Office of Natural Environment
Federal Highway Administration (FHWA)*



U.S. Department of Transportation
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Announcements and Recent Events

FHWA Welcomes New Team Member in Air Quality

FHWA welcomes its newest air quality staff member, Chris Dresser, an Air Quality Modeling Specialist, who joined the Resource Center Environment, Air Quality and Realty Technical Service Team. Chris joined us from the United States Environmental Protection Agency (EPA) Region 8 Office where he was an Environmental Scientist, subject matter expert on EPA's MOVES model, and served as the MOVES Team Leader. Chris is a nationally recognized expert in transportation and air quality and will be supporting FHWA's work on emissions, and dispersion and traffic noise modeling. Please see the Contacts section at the end of this newsletter to reach out to our new team member.

State Department of Transportation (DOT) Mid Performance Period Progress Report for Transportation Performance Management due October 1, 2020

By October 1, 2020, State DOTs must submit their Mid Performance Period Progress Report to FHWA. States will also submit updated biannual metropolitan planning organization (MPO) Congestion Mitigation and Air Quality Improvement Program (CMAQ) Performance Plans that are due from any MPOs in their State subject to the requirement to develop such plan. The reporting portal, the Performance

Traffic Noise Model (TNM) 3.0 Released

Featured Story

FHWA's Traffic Noise Model (TNM 3.0) was released in February 2020 and FHWA has been working on various training initiatives during the model's long-term optional-use period.

As part of this work, FHWA is developing short-format [YouTube videos](#) that demonstrate or explain one or two features of TNM 3.0. These videos supplement the written frequently asked questions ([FAQs](#)) and [Getting Started](#) documents and provide focused information related to the Installation and Project Setup processes in the model.

For questions related to the acoustics in TNM 3.0, please see the [Technical Manual](#) or the [Validation Report](#). If you cannot find a response to your question in the [available resources](#), feel free to contact TNMHelp@dot.gov.

Management Form (PMF), is open on September 1, 2020. State DOT personnel responsible for PMF input and FHWA Division staff responsible for PMF input review may opt to participate in an FHWA hosted Office Hours on the PMF from 2-3:30 pm eastern on September 9, 2020. To register for that session, please visit this [site](#).

FHWA Updates Congestion Mitigation and Air Quality Improvement Program (CMAQ) Emission Reductions Calculator Toolkit

The Federal Highway Administration (FHWA) is continuing to develop a series of tools to provide technical support for the implementation of the CMAQ Program. This CMAQ Emission Reductions Calculator is offered as an additional resource to assist departments of transportation (DOTs), metropolitan planning organizations (MPOs), and project sponsors in the project justification process. All modules are available on the FHWA [CMAQ Emissions Calculator Toolkit](#) webpage. For more information, please contact Mark Glaze (Mark.Glaze@dot.gov or 202-366-4053).

Most recently, the *Managed Lane Facilities and Conversions* tool was updated, and FHWA hosted a webinar to demonstrate the *Alternative Fuels and Vehicles* and the *Dust Mitigation* tools. Recordings of these and other training webinars are available via the toolkit website. The toolkit is accessible [here](#).

FHWA Released Updated 2020 CMAQ Cost-Effectiveness Tables

The 2020 CMAQ Cost-Effectiveness Tables update was released in July 2020 and is available on the [CMAQ website](#). A [webinar](#) with details on this release is also available on the [CMAQ website](#). These tables are intended to provide information to assist States, MPOs, and other project sponsors as they make the most efficient use of their CMAQ funding to reduce vehicle emissions and traffic congestion.

FHWA Announces Round 4 Designations for Alternative Fuel Corridors and New Summary Report

FHWA recently announced the fourth round of designations for the Alternative Fuel Corridors program. With the designation of these new corridors, FHWA is continuing to establish a national network of alternative fueling and charging infrastructure along national highway system corridors.

In addition, FHWA has released a [summary report](#) of the five regional Alternative Fuel Corridors Convenings held in 2018 and 2019. The report contains information and perspectives from across the country on the installation of alternative fuel infrastructure along highway corridors.

Visit the [Alternative Fuel Corridors website](#) to learn about the new designations, view the updated corridor maps and information, and the new report.

FHWA Hosts Webinar on Nature-Based Resilience for Coastal Highways

FHWA hosted a webinar on June 24, 2020, delving into two steps critical to building nature-based solutions for coastal highways: finding partners and finding funding. Speakers from FHWA, the National Oceanic and Atmospheric Administration (NOAA), the National Fish and Wildlife Foundation (NFWF), and the Delaware DOT (DeDOT) discussed available funding and partnership opportunities to support these strategies. A webinar

recording and additional information are available via FHWA's [Resilience Webinars](#) and [Nature-Based Resilience for Coastal Highways](#) webpages.

U.S. DOT Develops Applicant Toolkit to Support Rural Project Sponsors

The U.S. Department of Transportation (U.S. DOT) recently developed an [applicant toolkit](#) as part of the [Rural Opportunities to Use Transportation for Economic Success](#) (ROUTES) Initiative, which aims to address rural transportation infrastructure disparities. The ROUTES applicant toolkit helps rural communities better identify and navigate U.S. DOT discretionary grant funding opportunities. It provides user-friendly information to build understanding of various discretionary grant programs and application processes, including a matrix of funding opportunities, key applicant activities during the funding life cycle, featured rural transportation projects, and other resources to maximize award success.

EPA Publishes a Proposed Rule on the Review of the Ozone National Ambient Air Quality Standards

On August 14, 2020, the USEPA published a [proposed rule](#) in the Federal Register on the review of the ozone National Ambient Air Quality Standards (NAAQS). EPA proposed to retain the existing ozone NAAQS, at 0.070 ppm. Fact sheets and other resources on the review of the ozone standard are also posted on [EPA's website](#).

TRB Publishes New Guidebook on Costs and Benefits of Adaptation Measures for Extreme Weather Events

The National Academy of Sciences (NAS) Transportation Research Board (TRB) recently released National Cooperative Highway Research Program (NCHRP) [Report 938](#), a guidebook on incorporating the costs and benefits of adaptation measures. The guidebook was developed to fill some gaps in analyzing costs and benefits of various adaptation measures, as identified by State DOTs. It aims to support transportation practitioners with more readily considering cost-benefit analysis in investment-decision making processes when considering adaptation alternatives. The report also includes other resources, such as a list of guidelines for using cost-benefit analysis, a slide presentation summarizing the research, and a couple spreadsheet tools to support State DOT practitioners. For access to the report and these additional resources, please visit TRB's [NCHRP Report 938 website](#).

Meetings, Conferences, and Workshops

American Association of State Highway Transportation Officials (AASHTO) CMAQ Task Force

The AASHTO CMAQ Task Force is holding monthly teleconferences, open to all AASHTO members. The task force is a forum for communications, guidance, and resources focused on the CMAQ program, providing recommendations and support to State DOTs. The CMAQ task force meetings are a venue to engage fellow AASHTO members, and FHWA provides regular updates at each monthly meeting. For further information, please contact the AASHTO Committee on Planning (committeeonplanning@ashto.org) or visit [the task force website](#).

Association of Metropolitan Planning Organizations (AMPO) Annual Conference, October 27-29, 2020.

The Association of Metropolitan Planning Organizations has announced their [Annual Conference](#) will be held virtually on October 27 – 29, 2020. More details about the conference will be announced soon. If you have any questions, please contact Sarah Hicks at shicks@ampo.org or 202-624-3682.

Training Opportunities

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 Mike Claggett, at Michael.Claggett@dot.gov, for additional information or to discuss scheduling a training.

Additional 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"). These training opportunities range in level of detail from a short 27-minute video providing a high-level basic overview of transportation conformity to a detailed set of 32 self-directed training modules. Recordings of two webinars are available: basic transportation conformity overview (June 12, 2018, 70 minutes) and basic MOVES emissions model training (June 18, 2018, 42 minutes).

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, at david.kall@dot.gov, or 202-366-6276.

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. The training is available via [FHWA's YouTube channel](#). For more information about the CMAQ program, please contact Mark Glaze at mark.glaze@dot.gov or (202) 366-4053.

FHWA NEPA Air Quality Analysis for Highway Projects

The FHWA Resource Center Environment, Air Quality & Realty Team will be conducting 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. Please note this is not a general MOVES training course, but is focused on project-level applications. It is not intended to address regional applications, such as State Implementation Plan (SIP) emissions inventories or regional (plan and transportation improvement plan) conformity analyses. If you are interested in this training, please contact Michael Claggett at michael.claggett@dot.gov.

FHWA Web-Based Noise Training

FHWA has started a TNM Playlist on its YouTube Channel, with 6 initial videos. These videos demonstrate how to install TNM, set up a project, and begin to conduct basic tasks in the software. More videos will be posted throughout the year and each will be a short-format demonstration of 1 or 2 specific topics relating to using TNM. To access the playlist please visit [the TNM Training page](#). For technical assistance with TNM please contact TNMHelp@dot.gov.

Air Quality Planning Web Course Available at No Cost

The National Highway Institute (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](#) and search “Air Quality Planning,” or look for the specific course number. Please contact Karen Perritt at (202) 366-9066, or Karen.Perritt@dot.gov with any questions or comments.

Reminders

- **FHWA CMAQ Project Spotlight on Recent Efforts to Reduce Emissions.** FHWA published a series of five spotlight profiles on recent CMAQ-funded projects, on [the CMAQ Program website](#). The purpose of these profiles is to highlight recent efforts by transportation agencies and transit providers to reduce emissions and mitigate congestion in a variety of settings and modes, across the country.
- **NCHRP Report on Fleet Changes and Emissions Impacts from ZEV Measures.** The Transportation Research Board's (TRB) National Cooperative Highway Research Program (NCHRP) recently released a study evaluating fleet changes and emissions benefits of measures supporting the adoption of zero-emission vehicles (ZEVs). [NCHRP Web-Only Document 274](#) was developed to analyze a range of policies currently being considered by State and local governments and transportation agencies, including additional charging infrastructure, access to managed lanes, and vehicle sales incentives. The report and model files can be accessed [via TRB](#).

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Past issues of the *Air Quality and Sustainability Highlights* are available on FHWA's website:

http://www.fhwa.dot.gov/environment/air_quality/conformity/highlights/ or
<https://www.fhwa.dot.gov/environment/sustainability/newsletter/>.

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