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## Road Construction Emissions Model Update

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The Sacramento Metropolitan Air Quality Management District (SMAQMD) is pleased to announce the Road Construction Emissions Model (RCEM) has been updated with the assistance of Ramboll Environ.

The RCEM is an Excel spreadsheet based model that is used to estimate construction emissions from new roadways, road widening, bridge/overpass and other linear projects such as pipelines and levees. Although the model focuses on exhaust emissions from construction equipment and truck hauling, it also provides a very simple fugitive dust calculation.

Users will discover the following changes in the updated model:

1. EMFAC2014 emission factors have been included
2. Addition of pollutants including full greenhouse gases
3. New mitigation component for off road equipment and on road trucks
4. Expanded hauling of soil and asphalt in every phase
5. Overlapping phases can be modeled
6. Allow selection of number of working days in a month
7. Option to select "other linear project" type, but user must provide all equipment defaults
8. Provide the ability to enter user defined equipment, but user must provide the equipment specifications to make the emission calculations
9. Added information on the emissions estimates tab



If a user finds errors in the model or would like to report other feedback, please contact Karen Huss at [khuss@airquality.org](mailto:khuss@airquality.org) or 916-874-4881.

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Editor: Karen Huss

**REMINDER:** On July 1, 2016, the mitigation fee rate will be increasing to \$18,260/ton. The current rate is always available at [www.airquality.org](http://www.airquality.org).

## Health Impact Assessment Presentation

Please join the SMAQMD staff for a presentation on Health Impact Assessment (HIA) by WALKSacramento Executive Director Dr. Candace Rutt!

*Wednesday, July 27 from 1-2 p.m. at 777 12th Street, 3rd floor, Sacramento*

HIA is a process that evaluates the potential health effects of a plan, project or policy before it is built or implemented. HIA provides recommendations to increase positive health outcomes and minimize adverse health outcomes. HIA brings potential public health impacts and considerations to the decision-making process for plans, projects, and policies that fall outside the traditional public health arena, such as transportation and land use.

The presentation will cover the HIA process and why HIA is an important tool in improving both the environment and public health. Dr. Rutt has years of experience with the HIA process and has trained over a thousand people on how to conduct HIAs nation-wide.

Since space is limited, please **RSVP by July 20** to Molly Wright at 916-874-4207 or [mwright@airquality.org](mailto:mwright@airquality.org).

As summer approaches, the SMAQMD staff congratulates and bids farewell to our intern Ly. He will be graduating from Cristo Rey High School in June and plans to attend California State University Sacramento in the fall, majoring in computer science. Ly also received the Sacramento County Department of Human Assistance Asian-Pacific Islander Caucus scholarship.

Cristo Rey High School's work study program has been a benefit to both Ly and the SMAQMD. Not only did Ly receive a quality college prep education, but he also gained real world work experience to build his resume. SMAQMD encourages other employers to consider participating in the Cristo Rey High School work study program. Find out more at <http://www.crhss.org/>.

## 2nd Annual California Adaptation Forum

The Local Government Commission and the State of California are proud to host the second California Adaptation Forum in the Fall of 2016. The two-day event will be the premiere convening for a multi-disciplinary group of 1,000+ decision-makers, leaders, and advocates to discuss, debate and consider how we can most effectively respond to the impacts of climate change.

The 2016 California Adaptation Forum will feature:

- A series of plenaries with high-level government, community and business leaders
- A variety of breakout sessions on essential adaptation topics
- Regional project tours highlighting adaptation efforts in Southern California
- Pre-forum workshops on tools and strategies for implementing adaptation solution

Visit [www.CaliforniaAdaptationForum.org](http://www.CaliforniaAdaptationForum.org) to learn more and to sign up for updates today!

## APA Speaker Series: Planning for Healthy and Equitable Communities

Although the May event has already been held, there's still time to catch the rest of the Planning for Healthy and Equitable Communities speaker series being offered by the American Planning Association California Chapter Sacramento Valley. This year the series focuses on creating healthier places while advancing the goals of livable, inclusive communities; increased mobility and access to resources; economic vitality and opportunity; and reduced pollution and greenhouse gas emissions.

June 24 – Road to Recovery: How to Overcome the Diagnosis

July 29 – Preventable Planning: Day-to-Day Steps for Fit Communities

August 26 – Measuring Health and Sustainability Outcomes in Funding Decisions

September 30 – Public Interest Design for Disadvantaged Communities

October 21 – Building Health Communities: Success Stories



The sessions are all held at the West Sacramento Community Center, 1075 West Capitol Avenue from 8:30-10:30 a.m. Networking opportunities start at 8 a.m.

Find pricing and registration information at <http://www.svsapa.org/speaker-series/2016-speaker-series.html>

## CivicSpark is Open for Applications

CivicSpark is now accepting project applications for the 2016-17 service year! CivicSpark is a Governor's Initiative AmeriCorps Program dedicated to helping local governments address climate change in California. CivicSpark Fellows help build local governments' capacity by working directly with local staff or in the community on projects that address their larger climate action goals.

In the current service year, CivicSpark Fellows are working with the Sacramento Metropolitan Air Quality Management District to support energy efficiency retrofits for low-income homeowners, telematics software adoption for public fleets, and food waste separation at businesses and schools to reduce landfill emissions and spur clean vehicle fuel production. Elsewhere in California, CivicSpark Fellows are evaluating climate action plans, assessing climate vulnerabilities for the High Speed Rail, and supporting urban-rural collaboration on climate resiliency.

Learn more about the CivicSpark program and how it can help local governments expand their climate change work at <http://civicspark.lgc.org>. The priority deadline is July 1, 2016.

In addition, building on the success of CivicSpark, WaterCorps is a special team of AmeriCorps members focused on helping local government address critical water resource-related challenges. Learn more about WaterCorps at <http://civicspark.lgc.org/watercorps>.

# Capital Region Climate Readiness Collaborative

What does resilience mean for a community and a region? The Capital Region Climate Readiness Collaborative (CRC) will be examining this question at its next Quarterly Meeting (June 21<sup>st</sup>) as it works to help our region prepare for the effects of climate change, build a resilient, advanced economy, and safeguard its quality of life.

Climate change is already affecting our region. Extreme drought and increasing temperature are straining a multi-billion dollar agricultural economy that produces grapes, wine, almonds, fruit, tomatoes, and other produce shipped across the U.S. and globally. Flood risks (the second-highest in the US after New Orleans), bigger and more frequent wildfires, increasing heat, and dwindling snowpack are combining to disrupt critical infrastructure, threaten public health and safety, and cost the economy millions in damage. For our most vulnerable communities, impacts on public health and safety are especially severe.

**Who is the CRC?** The CRC seeks to provide a forum for local and regional organizations from all sectors and jurisdictions in the Sacramento region to cooperate on building resilience. Through this forum, stakeholders can share information and best practices, leverage efforts and resources, identify critical needs, and develop solutions and strategies together.

The CRC has over 20 members, including the City of Sacramento, the County of Sacramento, the City of Davis, the Local Government Commission, Ascent Environmental, PG&E, Sacramento Area Council of Governments, Sacramento Metro Chamber, the Sacramento Municipal Utilities District, and the Sacramento Metropolitan Air Quality Management District.

With greater coordination and collaboration, the Capital Region will be able to develop comprehensive adaptation strategies that build on shared strengths and opportunities while minimize duplicative efforts and unintended consequences.

**Learn more and get involved:** The CRC hosts quarterly meetings focused on key climate change issues for the region. Past topics have included severe flooding, drought, protecting local businesses, and public health. The CRC also invites key experts to provide information on Sacramento-related initiatives as well as new research and strategies, such as Placer County's successful PACE program, climate vulnerability of the regional transportation infrastructure, and climate mitigation through natural land conservation. In addition, attendees also can share updates and information from their own work and find opportunities for collaboration.

The CRC's next quarterly meeting will be on **Tuesday, June 21, from noon to 3p.m.**, and focus on a Vision for a Climate Ready Region, with speakers from the International Living Futures Institute and Arch Nexus. [Sign up here to attend the meeting.](#)

In addition, the CRC publishes a biweekly newsletter featuring news, reports, case studies, tools, funding resources, opportunities, and events, all related to climate change mitigation and adaptation and tailored to the Sacramento Region. [Sign up here for the newsletter.](#)

Visit the CRC's website for more information: <http://www.climatereadiness.info>