

DOUGLAS S. EISINGER

Director of Transportation Policy and Planning



Educational Background

Ph.D., Environmental Policy Analysis, University of Wales, United Kingdom

M.P.P., Energy and Environmental Policy, Harvard University

B.A., Government, Cornell University

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Professional Experience

Dr. Eisinger joined STI in 1995 and is Director of Transportation Policy and Planning. In 2010, Resources for the Future (RFF) Press published his book on environmental policy, *Smog Check: Science, Federalism, and the Politics of Clean Air*. In 2006–2007, he was an RFF Fellow in Environmental Regulatory Implementation. Also in 2006, the American Association of State Highway and Transportation Officials (AASHTO) Center for Environmental Excellence selected Dr. Eisinger as a national air quality expert. From 1997 to 2010 he served as the Program Manager for the U.C. Davis-Caltrans Air Quality Project; he currently manages STI's multi-year Caltrans-funded air quality/climate change research program. From 1991 to 1995, he was the Mobile Sources Section Chief for the U.S. Environmental Protection Agency (EPA), Region 9, San Francisco.

Climate Change: From 2008 to 2010, Dr. Eisinger led a multi-agency consortium that produced a new tool to evaluate how land use changes affect transportation and greenhouse gas (GHG) emissions. In 2009, Dr. Eisinger, together with faculty at U.C. Davis (UCD), created a framework to prioritize transportation impacts on GHG emissions. In 2007, Dr. Eisinger, together with researchers at UCD, evaluated GHG emissions differences produced by California Air Resources Board and EPA (MOVES) emissions models. In 2007, Dr. Eisinger led a team of UCD researchers to develop CT-EMFAC; it estimates on-road carbon dioxide (CO₂) and other emissions.

Particulate Matter (PM) and Air Toxics: In 2010, Dr. Eisinger co-authored a peer-review publication on near-roadway air pollution. In 2009, together with researchers from UCD and the U.S. Federal Highway Administration (FHWA), Dr. Eisinger published a PM hot-spot dispersion modeling assessment. In 2006, Dr. Eisinger led an STI and university faculty team that published a strategic research plan for transportation-related PM. Together with UCD, he developed a project-level air toxics analysis protocol. In 2005, Dr. Eisinger, UCD, Caltrans, and FHWA authored a protocol to evaluate transportation projects and PM₁₀. From 2002 to 2005, he oversaw two FHWA-sponsored toxics studies.

Inspection and Maintenance (I/M): In addition to his 2010 book on I/M policy (*Smog Check*), in 2008 and 2005, Dr. Eisinger published analyses of I/M policy implementation. Dr. Eisinger also managed several I/M studies for the Bureau of Automotive Repair, including creation of software tools to evaluate the California I/M program, and worked extensively on I/M implementation while with the EPA.

Transportation Control Measures (TCMs): In 2006, Dr. Eisinger, with UCD, presented a California workshop regarding the development of TCM state implementation plan (SIP) commitments and avoidance of conformity problems. In 2004, Dr. Eisinger, with UCD, published TCM guidance by synthesizing court decisions, agency experiences, and federal policies. He also authored national TCM guidance for the EPA.

Training, Education, and Outreach: Dr. Eisinger is an Adjunct Associate Professor at the University of Hawaii, where he has taught *Atmospheric Pollution* since 1998. He also taught *Transportation Policy* at UCD. Dr. Eisinger has taught air quality courses for Caltrans and, while at the EPA, implemented public and media outreach.

Transportation Conformity and Regional and Project-Level Analysis: From 2008 to 2010, Dr. Eisinger led an Arizona Department of Transportation-sponsored study investigating construction emissions (including PM and CO₂). In 2006, Dr. Eisinger, with UCD, developed a protocol to assess 8-hour ozone transportation conformity.

Dr. Eisinger's community service includes chairing a nonprofit foundation serving public schools, chairing his town's Fiscal Advisory Committee, and helping to raise \$121 million to rebuild three high schools.

Memberships

Air & Waste Management Association

Association for Environmental Studies and Sciences

Association for Public Policy Analysis and Management

Transportation Research Board (member, TRB Transportation Air Quality Committee – ADC20)

See <http://www.sonomatech.com/ResPub/DSEpub.pdf> for a list of publications.