



**National Association of Regional Councils  
Workshop at NARC's 39th Annual Conference and Exhibition  
June 26th, 2005 ~ 10:15 am to 5:00 pm ~ Monterey, California  
Climate Change:  
A Transportation Planning Approach to Reducing Greenhouse Gases  
Speaker Bio's**

**Philip Duffy**

Philip B. Duffy is a research scientist at the Lawrence Livermore National Laboratory. In addition, he is Associate Adjunct Professor in the school of Natural Sciences at U.C. Merced, and is Director of the University of California's Institute for Research on Climate Change and its Societal Impacts (IRCCSI). His primary research interest is in improving understanding of the societal impacts of climate change (impacts on water availability, air quality, human health, etc.), particularly as they affect California. With this goal in mind he has improved the regional-scale fidelity of global climate models by using finer spatial resolution and improved representations of key physical processes. Dr. Duffy has a B.S. degree from Harvard in Astrophysics, and a Ph.D. from Stanford in Applied Physics. He has published papers in astrophysics, atomic physics, and climate research.

**Daniel Sperling**

Daniel Sperling is Professor of Civil Engineering and Environmental Science and Policy, and founding Director of the Institute of Transportation Studies at the University of California, Davis (ITS-Davis). Dr. Sperling has led ITS-Davis to international prominence by building strong partnerships with industry, government, and the environmental community, integrating interdisciplinary research and education programs, and connecting research with public outreach and education.

Dr. Sperling is recognized as a leading international expert on transportation technology assessment, energy and environmental aspects of transportation, and transportation policy. In the past 20 years, he has authored or co-authored over 200 technical papers and eight books. He is a recent member of ten National Academies committees, including Hydrogen, Transport in China, Biomass Fuels R&D, and Sustainable Transportation, and is a founding chair and emeritus member of the Alternative Transportation Fuels Committee of the U.S. Transportation Research Board. He serves on many advisory committees and advises senior executives of many automotive and energy companies, environmental groups, and national governments. Dr. Sperling obtained his Ph.D. in Transportation Engineering from the University of California, Berkeley (with minors in Economics and Energy & Resources).



### **Diane M. Turchetta**

Diane Turchetta is an Environmental Protection Specialist in the Office of Natural and Human Environment where she primarily works on transportation-related air quality issues including climate change, energy use, and alternative fuels. She holds a Bachelor of Science degree in Public Administration from the Pennsylvania State University and a Masters Degree in Public Administration from Virginia Polytechnic Institute and State University. Before coming to the U.S. DOT she worked at the U.S. Environmental Protection Agency on fuel-related issues and served as National Program Manager for the Oxygenated Fuels Program.

### **Kathryn Zyla**

Kathryn Zyla is a Research Fellow for the Pew Center on Global Climate Change, focusing on domestic policy. Prior to joining the Pew Center, Ms. Zyla advised the New York Metropolitan Transportation Council on opportunities to reduce greenhouse gas emissions in New York City's transportation planning and conducted an energy efficiency study of municipal buildings for the City of New York. While in graduate school, she was a founding member of the Yale Climate Initiative, and received a grant from Yale's Advisory Council on Environmental Management to study mitigation options for the University. Ms. Zyla holds a Master of Environmental Management degree from Yale University and a Bachelor of Science degree in Engineering from Swarthmore College.

### **Melissa Royael Capria**

Melissa is a Senior Program Officer for ICLEI, working primarily with U.S. cities, towns and counties on achieving the five milestones of the Cities for Climate Protection (CCP). In this capacity Melissa has managed a range of projects including working with the City of Chicago to measure greenhouse gas and criteria pollutant reductions the City is achieving through existing programs, recruiting new CCP participants, hiring, training and supervising teams of graduate interns working directly in Northeastern local governments and representing the US Office of ICLEI at national and international forums. Melissa is also part of ICLEI's technical assistance team, and provides in depth software training, technical assistance and policy assistance both remotely and through site visits to 150 CCP local governments around the country. Before coming to ICLEI, Melissa worked for the City of Burlington, VT, coordinating the Burlington Climate Protection Task Force and the development of the City's Local Climate Action Plan. Melissa has also held positions at the Sierra Club and Greenpeace. Melissa has a B.A. in Political Science from the State University of New York (SUNY) at Oneonta, and a Master's in International Environmental Policy (IEP) from the Monterey Institute of International Studies (MIIS).



### **Rex Burkholder**

Councilor Rex Burkholder represents District 5 in and around Portland, Oregon. He was elected for a second term in 2004 and appointed Deputy Council President in January 2005. Burkholder chairs the Joint Policy Advisory Committee on Transportation (JPACT) and serves on the Bi-State Transportation Committee, as well as other regional transportation committees. He serves on the Metro Central and North Portland Enhancement committees. During his tenure, Burkholder led the council's effort in directing federal transportation dollars to projects and programs to support regional land-use objectives and to increase transportation choices. He also was instrumental in designing new council district boundaries and overseeing operations of Metro's regional facilities. His goals include further aligning regional transportation spending with land-use goals and economic opportunities as well as pursuing regional affordable housing goals.

### **John Zamurs**

Dr. John Zamurs is currently the Head of the Air Quality Section in the Environmental Analysis Bureau at the New York State Department of Transportation. He has been with NYSDOT for over 20 years.

Dr. Zamurs is a member of the Transportation and Air Quality Committee of the Transportation Research Board and is currently serving on several ongoing National Cooperative Highway Research Project research panels, including one as Chair. He is the DOT representative to Energy Coordinators Working Group, the staff level representatives to New York's Energy Planning Board and is the Chair of the American Association of State Highway and Transportation Officials (AASHTO) Air Quality Subcommittee. Dr. Zamurs has written numerous papers in the transportation air quality field and is a frequent presenter at technical conferences and meetings.

Dr. Zamurs has a B.A. in meteorology from New York University and a M.S. and Ph. D. in atmospheric science from the State University of New York at Albany.

### **Doug Thompson**

Doug Thompson manages the Motor Vehicle Assessments Section at the California Air Resources Board. His responsibilities include development of motor vehicle activity for air quality plans, assessing the impacts of changes in California's smog check program, and estimating the benefits of measures to reduce criteria pollutants and greenhouse gases from motor vehicles. Previously Doug was involved in California's implementation of federal conformity regulations, and writing guidance for transportation control measures under the California Clean Air Act. He has worked at ARB for 15 years.



## **Larry Greene**

Larry F. Greene is the Executive Director of the Sacramento Metropolitan Air Quality Management District based in Sacramento, California. The district staff of 84 operates programs in air monitoring, planning, compliance, enforcement of air quality rules, and agricultural burning. He is a Past-President of the California Air Pollution Control Officers Association, which represents air quality issues for 34 California Districts. Larry has earned a Bachelors Degree in Science Education from North Carolina State University, and Masters Degrees in Logistics Management from Florida Institute of Technology and Human Resources Education from Boston University. He is an adjunct faculty member of the University of Phoenix where he teaches management and science courses. Larry serves as a board member of Walk Sacramento a non-profit group advocating for walking issues in the Sacramento region and Explorit Science Center, a science outreach program located in Davis, CA.

## **Ina Shlez**

Ina Shlez is a Principal Environmental Planner at the Bay Area Air Quality Management District. She is managing the Air District's newly created Climate Protection Program. Prior to this position, Ms. Shlez worked for the City and County of San Francisco's Department of the Environment on alternative fuels and transportation and helped to develop San Francisco's Climate Action Plan. Ms. Shlez has a background in air quality, alternative fuels and vehicles, and environmental justice. She holds an MA in Environment and Resource Management from the George Washington University and has worked in the nonprofit and government sectors as well as in private consulting.

## **Kenneth Topping**

Ken Topping, FAICP, is president of Topping Associates International, and part-time lecturer with the City and Regional Planning Department at California Polytechnic State University, San Luis Obispo. He is former Director of Planning for the City of Los Angeles, and recently completed two years as Visiting Professor at Disaster Prevention Research Institute, Kyoto University in Kyoto, Japan. Ken has been an urban planning consultant and has managed various public agencies in California, pioneering innovations in citizen participation, disaster management, economic development, GIS, infrastructure development, regional planning, and environmental conservation. He has held leadership roles in professional associations, authored publications, taught at universities, and spoken at regional, state, national, and international conferences.