

Linking Goods Movement to Economic Prosperity and Environmental Quality

The Transportation – Land Use – Environment Connection

Goods movement – both within cities and between cities – is increasing faster than any other type of travel. The effects of this growth are significant for both urban and rural areas, especially along major highways and rail lines, and near air- and sea-ports. In the fall of 2004, the *UCLA Lake Arrowhead Symposium on the Transportation – Land Use – Air Quality Connection* will address **Goods Movement**. While the movement of goods has received increasing attention from both policy makers and analysts in recent years, the topic has rarely been addressed with an explicit focus on the connections to land use and the environment. In addition, the clear links between goods movement and the economy, the environment, and questions of equity make this an important and timely topic for many.

The impacts of goods movement on traffic congestion and, likewise, the effects of congestion on the movement of goods are critical issues in many areas. Freight logistics are evolving in the face of both technological, economic, and policy changes. The effects of these changes on land uses – such as the recent growth of inland warehousing and trans-shipment centers – are in need of more attention from policymakers and researchers.

Air quality planning focuses increasingly on goods movement, especially with regard to fine particulate matter. Potentially significant changes in both propulsion technologies and, especially, emissions regulations are on the near-term horizon. Related to this are environmental justice issues, which pose important questions for both the residents of neighborhoods adjacent to highways, rail lines, and freight-handling facilities, and for the organizations that use and manage such facilities. And finally, all of these issues are inextricably linked to labor–management relations in the goods movement industry.

These issues will be addressed in a series of presentations and discussion among goods movement analysts and decision makers in both the public and private sectors. The 2 ½ day invitation-only retreat will feature presentations by many of the top researchers in the field, and will include panels and other forums for dialogue among public officials, private industry leaders, and audience members. This mix of researchers and practitioners having diverse interests and viewpoints is the signature of the UCLA Lake Arrowhead Symposium, which is now in its 14th year.

Symposium Co-Organizers:

LeRoy Graymer, Founding Director, UCLA Extension Public Policy Program
Brian Taylor, Associate Professor of Urban Planning and Director, Institute of Transportation Studies, UCLA

Sunday, October 24th

1:00 pm REGISTRATION CHECK-IN AND REFRESHMENTS

1:30 pm **LINKING GOODS MOVEMENT TO ECONOMIC PROSPERITY AND ENVIRONMENTAL QUALITY**

This opening session provides a “big picture” overview of the symposium by examining the economic, political, and environmental policy contexts of goods movement. The four presentations explore the following questions: What economic forces have fuelled the dramatic rise in freight traffic in recent years? How are these trends expected to change in the years ahead? How are issues like traffic congestion, free trade, air quality, labor relations, and terrorism affecting goods movement policy and planning?
Moderator: LeRoy Graymer, Founding Director, UCLA Extension Public Policy Program

- **Symposium Overview**
Brian D. Taylor, Associate Professor of Urban Planning, and Director, Institute of Transportation Studies, UCLA
- **How Are Changes in Production, Trade, Consumption, and Congestion Affecting the Movement of Goods?**
Randolph Hall, Senior Associate Dean for Research, Epstein Department of Industrial & Systems Engineering, Co-Director, CREATE Homeland Security Center, and Professor, USC
- **International Trade Traffic: Current Trends and Policy Concerns**
Jon Haveman, Program Director, Economy, Public Policy Institute of California
- **Free Trade, Organized Labor, Increased Security, Environmental Protection, and More: The Emerging Freight Policy Context**
Harry Caldwell, Senior Vice President, Regal Decision Systems (invited)

3:00 pm BREAK

3:15 pm **MODAL PERSPECTIVES ON A MULTI-MODAL ISSUE: ISSUES AND POLICY CHALLENGES**

While freight (even on a single trip) necessarily moves by a wide variety of modes, goods movement firms and interests are often organized along modal lines. This session lays the groundwork for later, more synthetic, sessions by identifying significant policy issues and challenges in each of four modal areas: Air cargo, maritime trade, rail freight, and trucking.

*Moderator: **Richard Nordahl***, Chief for the Office of Goods Movement, California Department of Transportation

- **Air Cargo: Issues and Policy Challenges**
Bill Conrad, President, Cargo Marketing, Los Angeles Air Cargo Association (invited)
- **Maritime Trade: Issues and Policy Challenges**
John Vickerman, Principal and Executive Vice President, TranSystems Corporation (invited)
- **Rail Freight: Issues and Policy Challenges**
Peter F. Swan, Assistant Professor of Supply Chain Management, Smeal College of Business, Pennsylvania State University
- **Trucking: Issues and Policy Challenges**
Kristen Monaco, Assistant Professor, California State University Long Beach

5:00 pm ROOM CHECK-IN AND OPENING RECEPTION

6:30 pm DINNER

8:00 pm **INCREASING PUBLIC-PRIVATE COOPERATION AND COORDINATION IN MANAGING THE MOVEMENT OF GOODS**
No aspect of the transportation system is more closely associated with the private sector than goods movement. Private firms move most goods on behalf of other private firms. Yet freight moves on publicly-regulated and, often, publicly-operated transportation networks. This mix of public and private can blur lines of authority and responsibility. Accordingly, this session convenes a panel of public and private sector leaders to explore with the audience ways to increase public-private cooperation and coordination in the movement of freight.

*Moderator: **Jeff Brown***, Consultant, California Senate Office of Research

Panelists: **Ron Guss**, President, Intermodal West
Don Breazeale, President, Don Breazeale and Associates
Gary Gallegos, Executive Director, San Diego Association of Governments
James Hankla, Harbor Commissioner, Port of Long Beach
Keola Pang-Ching, Director of Air Cargo Marketing, Alaska Airlines
Richard Powers, Executive Director, Gateway Cities

Council of Governments

PLENARY DISCUSSION

9:30 pm INFORMAL RECEPTION AND CONTINUED DISCUSSION

Monday, October 25th

7:30 am BREAKFAST

8:45 am **LAND USE AND ENVIRONMENTAL ISSUES**

The dramatic rise in goods movement in recent decades has affected environments beyond emissions and air quality. In particular, the growth of freight traffic and port and transfer facilities generates potential land conflicts with neighboring uses, and transportation conflicts with passenger movement. This session examines these conflicts in three venues: expanding port facilities, freight movement in rural and rapidly urbanizing areas, and the rise of inland warehousing and transfer facilities.

*Moderator: **Randall Crane**, Professor of Urban Planning, School of Public Policy and Social Research, UCLA*

▪ **Resolving Local Land Use Conflicts With Expanding Ports and Terminals**

***Ralph Appy**, Director of Environmental Management, Port of Los Angeles*

▪ **Moving Goods in Rural and Rapidly Urbanizing Areas: The Case of California's Central Valley**

***Carol Whiteside**, President, Great Valley Center*

▪ **Coping With Evolving Freight Logistics and the Rise of Inland Warehouse and Transfer Facilities**

***Norm King**, Executive Director, San Bernardino Associated Governments*

10:15 am BREAK

10:30 am **GLOBAL TRADE, LOCAL IMPACTS: WHO BENEFITS? WHO PAYS?**

Goods movement is a direct measure of economic activity and vitality. But the transfer of freight from one place to another also exerts costs on environments and communities. The presentation and panel discussion in this session examine the question of who wins and who loses as freight volumes continue to grow from a variety of perspectives – analytical, economic, legal, regulatory, and political – with an eye toward building increased fairness and consensus.

Moderator: **Martin Wachs**, Roy W. Carlson Distinguished Professor in Civil and Environmental Engineering, Professor of City and Regional Planning, and Director, Institute of Transportation Studies, UC Berkeley

- **A Research-Based Framework for Understanding Distributional Issues in Goods Movement**

Lisa Schweitzer, Assistant Professor, Virginia Tech University

Commentaries

Speakers: **Robert Garcia**, Executive Director, Center for Law in the Public Interest

Janice Hahn, Councilwoman, 15th District, Los Angeles City Council

Angelo Logan, Director, East Yard Communities for Environmental Justice

Jim McGrath, Environmental Director, Port of Oakland

12:00 pm LUNCH

1:30 pm **AIR QUALITY AND ENERGY ISSUES**

The rapid growth of goods movement and increasing concerns with the health effects of diesel emissions have combined to move freight traffic to the forefront of energy and air quality policy debates. This session will present that latest information on goods movement-related emissions, explore recent developments of newer, cleaner engines, and discuss current state and federal efforts to reduce freight-related emissions.

Moderator: **Elizabeth Deakin**, Director, UC Transportation Center and Professor, UC Berkeley

- **Trucks, Trains, Ships, and Planes: An Update on Goods Movement-Related Emissions**

David Souten, Managing Principal, ENVIRON International Corporation

- **Alternative Propulsion Technologies: What's on the Horizon?**

CJ Brodrick, Research Scientist, Institute of Transportation Studies, UC Davis, and Assistant Professor, James Madison University

- **Regulating Emissions in the Goods Movement Sector: Reports from Washington and Sacramento**

Mitchell Greenberg, SmartWay Transport Partnership Manager, U.S. Environmental Protection Agency

Lynn Terry, Deputy Executive Officer, California Air Resources Board

Commentaries:

Speakers: **Tim Carmichael**, President, Coalition for Clean Air
David Modisette, Executive Director, California Electric
Transportation Coalition (invited)

PLENARY DISCUSSION

3:30 pm FREE TIME

5:30 pm RECEPTION

6:30 pm DINNER

8:00 pm **WHO'S IN CHARGE? OVERCOMING GOVERNANCE CHALLENGES
TO PLANNING, REGULATING, AND MANAGING GOODS MOVEMENT**

The goods movement system is influenced by an extraordinarily wide array of actors and institutions: private customers and shippers, international trade bodies, federal and state environment and transportation agencies, and regional and local governments and authorities. The appropriate public role in planning and financing goods movement-related facilities is an ongoing debate, as are the levels of coordination and/or competition between regions, districts, and authorities. This session tackles the question of “who is in charge” in a lively moderated discussion among the audience and four distinguished panel members.

Moderator: **Joan Sollenberger**, Division Chief, Transportation Planning, California Department of Transportation

Panelists: **John Ferrera**, Deputy Secretary, California Business, Housing, and Transportation Agency
Mark DeSaulnier, Supervisor, County of Contra Costa; Commissioner, Bay Area Air Quality Management District (invited)
Alan Lowenthal, Assembly member, California Assembly
Ronald Loveridge, Mayor, City of Riverside; Board member, South Coast Air Quality Management District

9:30 pm INFORMAL RECEPTION AND CONTINUED DISCUSSION

Tuesday, October 26th

7:30 am BREAKFAST

8:45 am **THE GOING RATE: PUBLIC FINANCE OF GOODS MOVEMENT**

Policymakers and modal interests have long debated the appropriate public role in financing the movement of goods. The rapid rise of freight traffic and recent plans for major freight-focused transportation infrastructure investments raise important questions regarding the distribution of both impacts and revenues from goods movement. Accordingly, the three presentations in this session examine the distribution of costs, benefits, and revenues in goods movement. The focus is on creative new approaches in the U.S. and abroad to both fund goods movement projects and better manage the freight transportation system.

*Moderator: **Brian Taylor**, UCLA*

- **Whose Impacts? Whose Revenues? New Approaches to Financing Freight Infrastructure to Move the Economy, Protect the Environment, and Ensure Equity**
Michael Huerta, Senior Vice President/Managing Director, ACS State and Local Solutions
- **New Developments in the Use of Advanced Technologies to Price the Movement of Goods in Europe and Elsewhere**
Werner Rothengatter, Professor, University of Karlsruhe, Germany
- **Closing the Gap: New Directions in Highway Finance to Pay for Growing Lists of Unfunded Goods Movement Projects**
Robert Poole, President, Reason Foundation

10:15 am BREAK

10:30 am **NEW SOLUTIONS AND NEW DIRECTIONS**

Finally, three leaders from different sectors and venues will conclude the program with their ideas, strategies, and challenges to the participants on how to move ahead with the public and private approaches needed to make significant progress on the dual goals of enhancing economic prosperity and improving the quality of life.

*Moderator: **LeRoy Graymer**, UCLA Extension Public Policy Program*

Panelists: **Gill Hicks**, President, Gill V. Hicks and Associates
Roger Snoble, Chief Executive Officer, Los Angeles Metropolitan Transportation Authority
Mary Nichols, Director, Institute of the Environment, UCLA; Former Secretary of Natural Resources, State of California

12:00 pm LUNCH AND ADJOURNMENT