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Education

2007 Ph.D. Cornell University, Economics
Dissertation: *Essays on Commuting and Policies Aimed at Managing Congestion*

2006 M.S. Cornell University, Economics

1998 B.S. University of Oregon, Economics (with Honors) and Accounting

Professional Experience

2007 - Associate Economist, RAND Corporation

2008 - Professor, Pardee RAND Graduate School

1998 - 2007 Economist, ECONorthwest

2002 - 2007 Research and Teaching Assistant, Cornell University

1996 Intern, Antitrust Division of the Oregon Department of Justice

Honors and Awards

2006 - 2007 Dwight D. Eisenhower Transportation Fellowship

2006 Winner of the North American Regional Science Council's Best Graduate Student Paper Award

Publications

T. Light, "Optimal Highway Design and User Welfare Under Value Pricing," *Journal of Urban Economics*, September 2009, 66 (2), pg. 116-124.

N. Burger, L. Ecola, T. Light, and M. Toman, "In Search of Effective and Viable Policies to Reduce Greenhouse Gases," *Environment*, May/June 2009, 51 (3), pg. 8 - 18.

RAND Reports

S. Popper, C. Berrebi, J. Griffin, K. Crane, T. Light, E. Min, "Natural Gas and Israel's Energy Future: Near-term Decisions from a Strategic Perspective," RAND Monograph 2009.

L. Ecola and T. Light, "Equity and Congestion Pricing: A Review of the Evidence," RAND Technical Report, 2009.

K. Crane, A. Goldthau, M. Toman, T. Light, S. Johnson, A. Nader, A. Rabasa, and H. Dogo, "Imported Oil and U.S. National Security," RAND Monograph, 2009.

N. Burger, L. Ecola, T. Light, and M. Toman, "Evaluating Options for U.S. Greenhouse-Gas Mitigation Using Multiple Criteria," RAND Occasional Paper, 2009.

L. Dixon, P. Sorensen, M. Wachs, M. Collins, M. Hanson, A. Kofner, T. Light, M. Madsen, L. Marsh, A. Overton, H. Shatz, B. Weatherford, "Balancing Environment and Development: Costs, Revenues, and Benefits of the Western Riverside County Multiple Species Habitat Conservation Plan," RAND Monograph, 2008.

P. Sorensen, M. Wachs, E. Min, A. Kofner, L. Ecola, M. Hanson, A. Yoh, T. Light, J. Griffin, "Moving Los Angeles: Short-Term Policy Options for Improving Transportation," RAND Monograph, 2008.

Conference Papers

N. Adilov, T. Light, D. Mitarotonda, T. Mount, R. Schuler, W. Schulze, R. Zimmerman, "Spatial Arbitrage to Reduce 'Seams' Across Electricity System Control Areas: An Experimental Analysis," *Proceedings of the 41st Hawaii International Conference on System Sciences*, 2008.

T. Light, C. Sharon (2008) "Analysis of the Impact of a Production Gap on the F-22 Industrial Base," prepared for the Western Economic Association Conference.

N. Adilov, T. Light, R. Schuler, W. Schulze, D. Toomey, R. Zimmerman, "Market Structure and the Predictability of Electricity System Line Flow: An Experimental Analysis," *Proceedings of 38th Annual Hawaii International Conference on System Sciences*, 2005.

N. Adilov, T. Light, R. Schuler, W. Schulze, D. Toomey, R. Zimmerman, "Self-Regulating Electricity Markets?," *Advanced Workshop in Regulation and Competition, Rutgers Center for Research in Regulated Industries 17th Annual Western Conference*, 2004.

N. Adilov, T. Light, R. Schuler, W. Schulze, D. Toomey, R. Zimmerman, "Differences in Capacity Requirements, Line Flows and System Operability under Alternative Deregulated Market Structures: Simulations Derived from Experimental Trials," *IEEE Power Engineering Society Conference Proceedings*, 2004, pg. 635-641.

Working Papers

T. Light (2008) "A Time-Use Approach for Estimating Commuters' Value of Travel Time," working paper (revise and resubmit request at *Economics Letters*).

N. Adilov, T. Light, R. Schuler, W. Schulze, D. Toomey, R. Zimmerman (2007) "Self-Regulating Electricity Markets: An Experimental Analysis of Active Demand Participation," working paper (revise and resubmit at the *Journal of Regulatory Economics*).

L. Ecola and T. Light (2009) "Making Congestion Pricing Equitable," working paper (submitted).

T. Light, K. Crane, and M. Toman (2009) "Long Term Options for Reducing U.S. Dependence on Imported Oil," working paper (book chapter prepared for the Congressional Research Service).

T. Light (2007) "Highway Pricing and Expansion Under Alternative Ownership/Operating Arrangements in a Growing Economy," working paper.

T. Light (2007) "The Influence of Urban Form on Commuting," working paper.

Teaching

Instructor, Public Finance (graduate level), Pardee RAND Graduate School, 2009.

Teaching Assistant, Economic Methods for Engineering and Management (graduate level), Cornell University, 2003, 2004, 2005, 2006.

Student Advising at the Pardee RAND Graduate School

Myles Collins, 2009 - present (Committee Member)

Brian Weatherford, 2009 - present (Committee Member)

Artur Usanov, 2009 - present (Committee Member)

Sara Hajiamiri, 2008 - present (Committee Member)

Ryan Keefe, 2008 - present (Committee Member)

Florencia Jaureguiberry, 2008 - present (Dissertation Chair)

Presentations

- 2008 Western Economic Association Meetings.
- 2007 RAND; Public Policy Institute of California; Cal State Fullerton; Annual Meetings of the Transportation Research Board.
- 2006 Cornell University; Annual North American Meetings of the Regional Science Association International.

Referee

Journal of Urban Economics, Proceedings of ICE Journal - Transport, Transportation Research Part A: Policy and Practice