

Subodh Mathur

Subodh Mathur is an economist (Ph.D. MIT) with a proven teaching record, strong conceptual and quantitative skills, and wide-ranging international and U.S. policy and operational experience. He has been an independent consultant 1988. He has worked for a variety of clients, including the D.C. Public Service Commission, D.C. Department of Environment, the U.S. Postal Service, and the World Bank. He is current an adjunct professor at the American University, and has ongoing assignments with the D.C. Public Service Commission and the World Bank.

Education

- Ph.D. Economics, MIT, Cambridge, MA 1980.
- MA Economics, Delhi School of Economics, Delhi, India 1972.
- B.A. Honors, Economics, St. Stephen's College, Delhi, India 1970.

U.S. consulting work

D.C. Public Service Commission

This quasi-judicial agency regulates public utilities in Washington, D.C.

- Implementation of dynamic pricing of electricity in the District of Columbia. *February 2012 onwards. Team contract.*
- Expert witness testimony, including cross-examination, on behalf of the Commission Staff in a number of cases involving the electric and gas utilities. *1985-1990. Individual contracts.*

D.C. Department of the Environment

- Expert witness testimony in a natural gas rate case. *April 2012 ongoing.*
- Selection of contractor to operate the [D.C. Sustainable Energy Utility](#). *October 2010. Individual contract.*
- Preparation of performance benchmarks for the to-be-created [D.C. Sustainable Energy Utility](#), which will promote energy efficiency and renewable energy. *September 2010. Team contract.*
- Assistance in rate case filed by the gas company. *August 2010. Individual contract.*
- Analysis of proposed plan to introduce “smart” meters. *July 2009. Individual contract.*
- Monitoring and evaluation plan for natural gas energy efficiency and low-income subsidy programs. *2008. Individual contract.*

U.S. Postal Service

Econometric and economic analysis related to the allocation of production costs according to Postal Service rate codes. Expert witness testimony, including cross-examination, in two rate cases. *1989-1997. Team contract.*

International consulting work

All the assignments were undertaken as an individual consultant.

World Bank

- Economic analysis of subsidy for increasing rural electrification access in Uganda. *May 2012.*

- Lead economics consultant [One Goal, Two Paths](#), which sets the agenda for World Bank support for universal access to electricity and improved cooking stoves in East Asia. *2011.*
- Lead economics consultant [Winds of Change](#), which sets the agenda for World Bank support for sustainable energy in East Asia. *April 2010.*
- Major role in the design and preparation of several innovative on-the-ground projects in Asia, Africa, and Latin America, designed to promote renewable energy, and increase the benefits to the poor from electrification programs. Responsibilities included project concept design, economic analysis, and supervision. Wide-ranging discussions and dialog with senior political leaders, civil servants, target beneficiaries and bilateral donors. Extensive travel, including to remote rural areas in Asia and Africa. *1990 onwards.*

Government of Ghana

- Expert review of national energy policy. *September 2009.*

Swedish International Development Agency

- Background paper on rural energy as part of Sida's reformulation of aid policies. *2004.*
- Economic analysis of stand-alone mini-grid in Tanzania. *2003.*

Asian Development Bank

- Analysis of financing of infrastructure in Asia. *1995-1997.*

Academic Career

- **Economist in Residence, American University, Washington, D.C.** Teaching graduate (Development Economics, Introductory Economics for non-economists, Environmental Economics, Econometrics) and undergraduate (Microeconomics, Environmental Economics, Asian Economics) courses. Supervising Ph.D. dissertations in the Dept. of Economics and several '[Significant Research Projects](#)' (MA 'thesis-lite') in the School for International Service. *Fall 2010 onwards.*
- **Professorial Lecturer, American University, Washington, D.C.** Taught graduate courses (Introductory Economics for non-economists, Environmental Economics) as an adjunct. Supervised '[Significant Research Projects](#)' (MA 'thesis-lite') in the School for International Service. *Summer 2007-Spring 2010.*
- **Assistant Professor, American University, Washington, D.C.** Taught graduate (Econometrics, Development Economics) and undergraduate (Microeconomics and Macroeconomics) courses. Served on a large number of doctoral dissertation committees, including several as the Chair. Tenure-track appointment but decided not to seek tenure to pursue applications of economics in real-world situations. *1981-1988.*
- **Post-doctoral Fellow, Center for International Studies and the Department of Materials Science and Engineering, MIT, Cambridge, MA.** Analysis of international toxic waste disposal (Center for International Studies) and substitution possibilities between minerals (Department of Materials Science and Engineering). *1980-1981.*
- **Lecturer, Economics, Rajasthan University, Jaipur, India.** *1972-1973.*

Publications

[One Goal, Two paths.](#) Lead economics consultant. World Bank, Washington, D.C. September 2011.

[Winds of Change: East Asia's Sustainable Energy Future.](#) Lead economics consultant. World Bank, Washington, D.C. April 2010.

World Bank/GEF solar home system projects: experiences and lessons learned 1993-2000. Eric Martinot, Anil Cabraal, and Subodh Mathur, *Renewable and Sustainable Energy Reviews* 5(1): 39-57 (2001).

[Towards Smarter Subsidies.](#) Presentation at Village Power Conference 1998.

Market Based Instruments for the Implementation of the Montreal Protocol in Developing Countries. Nikhil Desai and Subodh Mathur. 1996. Environmental Department Papers, No. 053. Washington DC: The World Bank.

Rationale for GEF Involvement in Economically Viable Projects. GEF Discussion Paper, 1994.

Solar Energy: Lessons from the Pacific Island Experience, World Bank Technical Paper Number 244, 1994 (co-authored with Andres Liebenthal and Herbert Wade).

Labor Market Flexibility in East Asian Countries, Background paper for *The East Asian Miracle,* World Bank, (co-authored with Shekhar Shah). 1994.

"Price Distortions, Financing Constraints and Second-Best Investment Rules in the Transportation Industries," *Journal of Public Economics*, Vol. 18, 1982, pp. 195-215. (Co-authored with Prof. Friedlaender, MIT).

"An Econometric Analysis of the Substitution between Copper and Aluminum in the Electrical Conductor Industry," *Materials and Society*, Vol. 7, 1983, pp. 115-124. (Co-authored with Prof. Clark, MIT).

"Rural Poverty and Agricultural Production in India," *Journal of Development Studies*, Vol. 7, No. 3, 1985, pp. 422-428.

"Nonmarket Valuations of Accidental Oil Spills: A Survey of Economic and Legal Analysis," *Journal of Marine Resources Economics*, Vol. 2, No. 3, 1986. (Co-authored with Profs. G. Assaf and B. Kroetch, American University).

Review of "Commodity Prices and the New Inflation," by Bosworth, B. and R. Lawrence, Brookings Institution, 1982 in *Annals of the American Academy of Political and Social Sciences*.

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