

## BRIAN K. EDWARDS

BRIAN K. EDWARDS ASSOCIATES  
5324 Benton Avenue  
Downers Grove, Illinois 60515

630-963-5179 (Office)  
630-963-5684 (Facsimile)  
<http://www.bkedwards.com>  
[brian@bkedwards.com](mailto:brian@bkedwards.com)

### EDUCATION

Ph.D. (Economics), University of California, San Diego, 1984  
M.A. (Economics), University of California, San Diego, 1982  
B.A. (Economics), California State University, Northridge, 1976

### CURRENT AND RECENT CONSULTING ENGAGEMENTS

Principal: Brian K. Edwards Associates, Downers Grove, Illinois, 1997 to present  
*Policy and Benefit-Cost Analysis:* Current and recent activities include developing econometric models of energy consumption for DaimlerChrysler automobile assembly plants, estimating the regional economics impacts of state tax and spending policy in the state of New Mexico, estimating the regional economic impacts of transportation infrastructure improvements in the Denver metropolitan area, conducting a benefit-cost study of requiring explosives manufactures to include taggants in the manufacture of explosives, identifying public expenditures resulting from illicit substance abuse and estimating the social costs of substance abuse in metropolitan Chicago, and collecting and compiling economic and demographic data to support an analysis of increased tax burdens on a major city in the eastern United States.

*Environmental Economics:* Current and recent engagements include participating in the Regional Dialog on Clean Air and Redevelopment for the City of Chicago Department of Environment, evaluating the emissions and regional economic impacts of peaking generator placements, and collecting county-specific demographic and economic projections from individual states to be used to project county-specific emissions of various air pollutants for the Western Governor's Association/Western Regional Air Partnership.

*Regional Economic Impact Analysis (using the REMI model):* Conducted separate regional economic impact analyses of state tax and spending policy in the state of New Mexico, transportation infrastructure improvements in the Denver metropolitan area, implementing ozone controls in the Chicago and Houston ozone nonattainment areas, and alternative hydroelectric power marketing programs in the western United States. Conducting periodic regional economic impact seminars on the use and structure of the REMI model.

*Testimony:* Current and recent activities include writing testimony for United States Postal Service rate proceeding for a Postal Service expert witness, conducting analysis of the potential impact of electronic commerce and the Internet on mail volume, and analyzing the effect of advertising expenditures on mail volumes. Additional litigation support includes estimating economic losses due to personal injury.

## STAFF ECONOMIST POSITIONS

Senior Economist: The Law and Economics Consulting Group, Inc., Evanston, Illinois, 1996 to 1997

*Litigation support:* economic analysis of environmental and anti-trust/merger issues to support LECG expert witnesses.

*Business development activities:* marketing LECG environmental litigation support to potential clients.

Economist: RCF Economic and Financial Consulting, Inc., Chicago, Illinois, 1993 to 1996

*Expert witness support to the United States Postal Service:* wrote testimony for rate and classification proceedings, analyzed the role of advertising expenditures in volume forecasting, and developed methods of incorporating the growth in electronic alternatives to mail in volume forecasts.

*Litigation support:* conducted analysis for environmental damage and personal injury cases, benefit-cost analysis of alternative environmental remediation strategies, and analysis of alternative economic development strategies for local communities.

*Business development and management:* marketed RCF consulting services to potential clients and managed RCF staff economists, research assistants, and administrative support personnel.

Economist: Argonne National Laboratory, Argonne, Illinois, 1988 to 1993

*Support for the Environmental Impact Statement prepared for the Western Area Power Administration (United States Department of Energy),* including: 1) Task Manager for organizing the economic and electric utility data used in the economic and power systems analysis; 2) Task Manager for estimating the impacts of the hydropower marketing alternatives on irrigated agriculture; 3) estimated the regional economic impacts of these alternatives using the REMI model.

*Support for other Department of Energy programs,* including: 1) estimated the macroeconomic impacts of acid rain and climate change response strategies; 2) developed the macroeconomic baseline forecast used to estimate the impacts of acid rain legislation; 3) developed a regional forecasting model of the Clark County, Nevada economy for purposes of estimating the regional economic impacts of siting a high-level nuclear waste repository in Nevada.

Economist: United States General Accounting Office, Office of the Chief Economist, Washington, D.C., 1984 to 1988

*Support for GAO staff on environmental, energy, and regulatory issues,* including: 1) developed a macroeconomic model of the United States economy to forecast tax revenues and developed a spreadsheet model to estimate monthly federal outlays and receipts for GAO's participation in the Gramm-Rudman-Hollings Deficit Reduction Act; 2) conducted an econometric analysis of state-level automobile insurance rate regulation; 3) conducted an econometric analysis of areawide leasing of outer-continental shelf oil tracts; 4) conducted economic analyses of issues involving the strategic petroleum reserve, foreign fishing fees, and the Great Plains synthetic fuels plant.

Economist: National Marine Fisheries Service, Southwest Fisheries Center, La Jolla, California, 1981 to 1984

*Ph.D. dissertation research on the multispecies fishery:* 1) developed a data system on catch patterns in commercial fisheries on the West Coast; 2) examined species targeting behavior using discrete-choice (multinomial logit) methods; 3) investigated optimal fishing effort in a multispecies fishery with ecologically interacting stocks.

Economist: Office of Operations, University of California, San Diego, 1979 to 1980  
Economic analysis of heating and cooling options for the university hospital.

#### **PREVIOUS CONSULTING ECONOMIST ENGAGEMENTS**

Consulting Economist: The Energy Exchange, Chicago, Illinois, 1992  
Appeared as an expert witness on behalf of the State of Illinois Office of Small Business Utility Advocate in People's Gas Light and Coke Company's utility rate case.

Consulting Economist: Analytical Support Network, Inc., St. Charles, Illinois, 1992  
Prepared testimony and analysis of cost-allocation for the expert witness on behalf of the State of Pennsylvania Office of Small Business Advocate in Metropolitan Edison's utility rate case.

Consulting Economist: Regional Economic Research, Inc., San Diego, California, 1989  
Developed a prototype model of residential fuel choice decisions.

#### **TEACHING POSITIONS**

DeVry Institute of Technology, Addison, Illinois, 1999 to present.  
Teaching courses in introductory economics, college algebra, and introductory statistics.

Roosevelt University, Chicago, Illinois, 1993 to 1995.  
Taught graduate level microeconomics, intermediate macroeconomics, money and banking, statistics, and environmental economics.

Lewis University, Romeoville, Illinois, 1991 to 1993.  
Taught macroeconomics and microeconomics principles.

University of California, San Diego, La Jolla, California, 1989 to 1990.  
Taught undergraduate level courses in energy economics, labor economics, history of economic thought, law and economics, public economics, and monetary economics.

National University, San Diego, California, 1981 to 1984.  
Taught graduate level courses in managerial economics and public policy, and undergraduate level courses in macroeconomics, microeconomics, beginning algebra, and intermediate algebra.

#### **PROFESSIONAL ACTIVITIES**

Associate Editor: Resource and Energy Economics, 1995 to 1996.

Member: American Economic Association, Association of Environmental and Natural Resource Economists, Resource Modeling Association.

Commissioner: Downers Grove Economic Development Commission, 1995 to 1996.

#### **EXPERT WITNESS SUPPORT AND TESTIMONY**

Appeared as an expert witness before the Illinois Commerce Commission on a utility rate filing of People's Gas Light and Coke Company.

Developed testimony for two United States Postal Service proceedings, one involving rate setting and one involving mail classification.

Prepared testimony for two environmental damage cases, one involving gasoline contamination of soil and chromium contamination of groundwater, and developed estimates of property value diminution using econometric/hedonic methods for a case involving diminution in residential property values resulting from soil contamination.

Prepared evidentiary documents for personal injury cases and litigation relating to the impacts of Tax Increment Financing (TIF) on affordable housing.

#### **COMPUTER SOFTWARE KNOWLEDGE, SKILLS, AND EXPERIENCE**

Statistical and econometric analysis: EVIEWS, SAS, and Stata.

Regional and macroeconomic forecasting: REMI and DRI models.

Optimization and computable general equilibrium models: GAMS and LINGO.

#### **HONORS AND AWARDS**

*Program for Young Professional Economists* (Topic: Restructuring the Soviet Economy) sponsored by the United States National Academy of Sciences and the Academy of Sciences of the Soviet Union held at Tufts University (Medford, Massachusetts, June 1990).

*Special Commendation Award*, U.S. General Accounting Office (1986), for my work on the Gramm-Rudman-Hollings Deficit Reduction Act.

*Tuition Scholarship* (1984), University of California, San Diego.

*Superior Teaching Award* (1983), Department of Economics, University of California, San Diego.

#### **JOURNAL ARTICLES, BOOK CONTRIBUTIONS, AND CONFERENCE PROCEEDINGS**

*The Economics of Hydroelectric Power Provision* (book), Edward Elgar Publishing, 2003.

*Hydropower Economics*, in Cleveland, C.J. (Editor), **Encyclopedia of Energy**, Elsevier Science, 2003.

*Optimal Provision of Hydroelectric Power Under Regulatory and Environmental Constraints* (with Silvio J. Flaim and Richard E. Howitt), **Land Economics**, May 1999.

- Slippage Factors in Emissions Trading* (with George S. Tolley), in Kosobud, R.F. and J.M. Zimmerman (editors), **Market Based Approaches to Environmental Policy**, Van Nostrand Reinhold, 1997.
- Fuel, Crop, and Water Substitution in Irrigated Agriculture* (with Silvio J. Flaim and Richard E. Howitt), **Resource and Energy Economics**, Volume 18, Number 3, October 1996.
- Environmental Remediation: The State of Wisconsin Takes a Rational Approach* (with George S. Tolley), **Environmental News**, Environmental Engineers & Managers Institute, Association of Energy Engineers, Spring 1996.
- Urban Smog: Between a Rock and a Hard Place* (with George S. Tolley), **Environmental News**, Environmental Engineers & Managers Institute, Association of Energy Engineers, Fall 1995.
- Transportation Research Needs for the Future* (with George S. Tolley), Conference Proceedings, **Metropolitan Conference on Public Transportation Research**, Chicago, Illinois, June 1995.
- The Urban Ozone Abatement Problem* (with George S. Tolley, Jeffrey Wentz, and Steven Hilton), in Kosobud, R., D. Hanson, and W. Testa (editors), **Cost-Effective Control of Urban Smog**, Federal Reserve Bank of Chicago, November 1993.
- Maximizing the Value of Hydro-Electric Thermally-Integrated Generating Facilities* (with Silvio J. Flaim and Jeffrey Ancrile), **Modeling and Simulation**, May 1992.
- Forecasting Gaming Revenues for Clark County, Nevada: Issues and Methods* (with Amit Bando), **Modeling and Simulation**, May 1992.
- A Forecasting Model of Gaming Revenues in Clark County, Nevada* (with Gilbert W. Bassett), Conference Proceedings, **International High-Level Nuclear Waste Management Conference**, Las Vegas, Nevada, 1992.
- Perceived Risk Impacts from Siting Hazardous Waste Facilities* (with Gilbert W. Bassett and Ross C. Hemphill), Conference Proceedings, **International High-Level Nuclear Waste Management Conference**, Las Vegas, Nevada, 1992.
- A Note on Indivisibilities, Specialization, and Economies of Scale* (with Ross M. Starr), **American Economic Review**, March 1987.
- ARGONNE NATIONAL LABORATORY REPORTS (CO-AUTHOR)**
- Impacts on Irrigated Agriculture of Changes in Electricity Costs Resulting from Western Area Power Administration's Power Marketing Alternatives*, 1995.
- Regional Economic Impacts of Changes in Electricity Rates Resulting from Western Area Power Administration's Power Marketing Alternatives*, 1995.
- A Forecasting Model of Gaming Revenues in Clark County, Nevada*, February 1992.
- Perceived Risk Impacts from Siting Hazardous Waste Facilities*, May 1992.

*Socio-Economic Assessment Guidance Report: The Incorporation of Perceptions Into the Assessment of Socio-Economic Impacts*, 1991.

*Carbon Charges and the Macroeconomy: Survey of Methods and Results*, January 1991.

*Review of Congressional Budget Office Report - Carbon Charges as a Response to Global Warming: the Effects of Taxing Fossil Fuels*, December 1990.

*Survey of Climate Change Developments in Selected Countries*, October 1990.

*The Macroeconomic Impacts of Acid Rain Legislation and Clean Coal Technology: A Comparative Analysis*, June 1990.

#### **U.S. GENERAL ACCOUNTING OFFICE REPORTS (CO-AUTHOR)**

*Workers Compensation: Initial Experiences with Competitive Rating*, **GAO/OCE-87-1**, 1987.

*Budget Reductions for FY 1987: Review of Initial OMB/CBO Report Under the Deficit Control Act*, **GAO/OGC-86-4**, 1986.

*Auto Insurance: State Regulation Affects Cost and Availability*, **GAO/OCE-86-2**, 1986.

*Budget Reductions for FY 1986: Balanced Budget and Emergency Deficit Control Act of 1985*, **GAO/OGC-86-1**, 1986.

#### **MISCELLANEOUS REPORTS**

*Advertising and Media Trends: 1970 to 1990*, RCF, Chicago, March 1993.

*Background for Postal Service Involvement in Ramsey Pricing*, RCF, Chicago, September 1992.

*Modeling Residential Fuel Choice Decisions with Nested Logit Methods: Documentation and Description*, Regional Economic Research, San Diego, California, 1989.

*Annual Summary Files from the 1974 Through 1976 Coastwide Summary Data Base: Contents and Summary Statistics* (with Daniel Huppert and Cynthia Thompson), National Marine Fisheries Service, La Jolla, California, December 1982.

*A Preliminary Analysis of the Application of Cluster Analysis to the Coastwide Summary Database*, National Marine Fisheries Service, La Jolla, California, 1982.

#### **CONFERENCE PRESENTATIONS**

*Peak and Baseload Pricing of Hydroelectric Thermally Integrated Resources*, **Illinois Economic Association Meetings**, Chicago, Illinois, October 1995.

*Transportation Research Needs for the Future*, **Metropolitan Conference on Public Transportation Research**, Chicago, Illinois, June 1995.

*Regulatory and Institutional Constraints to Emissions Trading*, **The Clean Air Marketplace**, Chicago, Illinois, September 1993.

*The Urban Ozone Abatement Problem, **Conference on Cost-Effective Control of Urban Smog**, Federal Reserve Bank of Chicago, Chicago, Illinois, June 1993.*

*Maximizing the Value of Hydro-Electric Thermally-Integrated Generating Facilities, **University of Pittsburgh Modeling and Simulation Conference**, Pittsburgh, Pennsylvania, May 1992.*

*Forecasting Gaming Revenues for Clark County, Nevada: Issues and Methods, **University of Pittsburgh Modeling and Simulation Conference**, Pittsburgh, Pennsylvania, May 1992.*

*A Forecasting Model of Gaming Revenues in Clark County, Nevada, **International High-Level Waste Management Conference**, Las Vegas, Nevada, April 1992.*

*Perceived Risk Impacts from Siting Hazardous Waste Facilities, **International High-Level Waste Management Conference**, Las Vegas, Nevada, April 1992.*

*Macroeconomic and Electric Utility Impacts of Carbon Taxes, **American Power Conference**, Chicago, Illinois, April 1991.*

*The Macroeconomic Impacts of Environmental Regulation with Emphasis on the Soviet Economy, **NAS-ASUSSR Summer Economics Program**, Tufts University, Medford, Massachusetts, June 1990.*

*The Macroeconomic Impacts of Acid Rain Legislation and Clean Coal Technology: A Comparative Analysis, **Midwestern Economic Association**, Cincinnati, Ohio, March 1989.*

*A Bilateral Monopoly Approach to the World Oil Market, **Global Development Conference**, Washington, D.C., April 1988.*

*The Macroeconomic Impacts of Acid Rain Legislation, **Eastern Economics Association**, Boston, Massachusetts, March 1988.*

*The Effects of Prior Approval Regulation and Compulsory Liability Laws on the Pricing and Availability of Insurance, **Allied Social Sciences Association Convention (American Economic Association)**, New Orleans, Louisiana, December 1986.*