

## BARRY R. LAWSON

EDUCATION Ph.D., Resource Economics, Cornell University, 1971

Dissertation: A Stochastic Model of Settlement on the Urban Fringe: The Role of Land, Its Use, and Related Policy, 1971. The research study area for this thesis was the northeast quadrant of the Ljubljana, Slovenia metropolitan area. The model employed was an application of Markov Chains to predict trends in urbanization in the rural outskirts of Ljubljana. The theory behind the model was based largely on traditional location theories.

M.R.P., Regional Planning, Cornell University, 1967

Thesis: Regional Planning Implications of Industrial Water Use: A Case Study of the Pulp and Paper Industry in New England, 1967. This thesis was developed under the sponsorship of the Water Resources Center at Cornell and sponsored, in part, by a grant from the U.S. Army Corps of Engineers. The quantitative analysis involved the application of regression analysis to estimate the volume of water required to produce a ton of paper and pulp in New England pulp and paper mills in the early 1960s. The research includes extensive interviews with officials from several of these mills.

A.B., Economics, Dartmouth College, 1964

## PROFESSIONAL EXPERIENCE

### Skills

- Project management, implementation of planning processes and preparation of plan documents
- Development and presentation of training programs
- Statistical analysis, spreadsheet engineering and program evaluation
- Consultation on organizational development, strategic planning, and team work in the work place
- Focus Group, meeting and workshop facilitation
- Moderation of public meetings and hearings
- Design of meetings, workshops, retreats, focus groups and conferences
- Consultation on design and implementation of community relations and public information programs
- Conflict resolution, mediation and consensus-seeking
- Creation and use of role-playing simulations and other interactive learning techniques

### Subject Areas

- Organizational Development and Business Administration
- River Basin Planning and Management
- Natural Resources and Environment
- Energy Resources and Management
- Nuclear, Chemical and Biological Weapons Management
- Waste Management, Clean-Up
- Worker and Community Transition (Legacy Management)
- Labor/Management Issues
- Fish and Wildlife
- Transportation
- Recreation
- Land Use and Forestry
- Local and State Government Issues
- Education, Corrections and Other

## EMPLOYMENT

### TUCK SCHOOL OF BUSINESS AT DARTMOUTH COLLEGE

Research Associate, 2004 to present

Currently serving as program manager for a three-year spreadsheet engineering research project. The project focuses on evaluating how spreadsheets are used by organizations (private, non-profit and government) and identifying corporate 'best management' practices and standards to enhance the quality of spreadsheet design and use.

### BARRY LAWSON ASSOCIATES

President and Owner, 1978-present

Currently serving as Visiting Scholar to Dartmouth College (2003-2005) and consulting project coordinator for a project to design and produce electronic and print versions of an atlas for the Upper Connecticut River Watershed in New Hampshire and Vermont – a joint endeavor of the Connecticut River Joint Commissions and Dartmouth College.

Currently assisting the PIMA County Association of Governments (Arizona) in developing a 20-year transportation plan for the Tucson region, by facilitating a series of meetings between a citizens advisory committee and a technical management committee,

Moderated public meetings on proposed wind energy projects in northeastern Vermont

#### Other Selected Facilitation, Moderation and Mediation Projects

- Moderated and facilitated public hearings/meetings for the United States Department of Energy on the following programs:
- National Stakeholder Workshops of the Worker and Community Transition Program (five consecutive years),
- Environmental Restoration and Waste Management PEIS,
- Stockpile Stewardship and Management PEIS,
- Heat Source/Radioisotope Thermoelectric Generating Program,
- Fissile Materials Disposition (Uranium and Plutonium Storage and Disposition),
- Nuclear Weapons Reconfiguration PEIS,
- Tritium Supply and Recycling,
- Spent Nuclear Fuel (from foreign research projects),
- Multi-Purpose Canister Program for High-level Radioactive Waste Management,
- Formerly Utilized Sites Remediation Action Program,
- Nuclear Non-Proliferation Policy,
- Superconducting Super Collider Program, and
- Crystalline Rock Repository high-level nuclear waste disposal program.

Subcontracts with numerous DOE contractors including TRW Environmental Systems, Tetra-Tech, SAIC, Battelle. ORAU, and NUS-Halliburton.

- Moderated a set of over two dozen nationwide public meetings and hearings on the Environmental Impact Statement and Site Recommendation Studies for the proposed Geologic Repository for High-Level Nuclear Waste and Spent Fuel at Yucca Mountain, Nevada.
- Facilitated and moderated public meetings/hearings on nuclear waste management, including environmental impact statements, for several U.S. DOE sites including:
- Pantex (Amarillo, TX);

- Oak Ridge National Laboratory (TN);
  - Los Alamos National Laboratory (NM);
  - Idaho National Engineering Laboratory (ID);
  - Savannah River (SC);
  - Rocky Flats (CO);
  - Brookhaven National Laboratory;
  - Mound (Ohio);
  - Argonne National Laboratory;
  - Sandia National Laboratory;
  - Lawrence Livermore National Laboratory; and
  - Washington, DC
- Moderated a set of national meeting for scoping an environmental impact statement for the Defense Logistics Agency (U.S. Department of Defense) for the management of excess mercury stored by the Agency. Conduct similar meetings on the completed EIS in the Spring of 2003.
- Served as facilitator of a focus group that meets monthly as part of a one year program to assist the U.S. Department of Energy in planning for the possible opening of Oak Ridge Reservation (Tennessee) land for non-governmental purposes. Also helped to design and implement a series of public meetings on the same topic
- Served as consultant on a Rizzo Associates (a Tetra-Tech affiliate) team to analyze the impacts of commercial air traffic in a region outside Boston, Massachusetts, focusing in particular on the potential effects of this traffic on Minute Man National Historic Park
- Facilitated a staff retreat and follow-up session for the North Country Council (NH) on developing a strategic plan for the organization
- Facilitated a Fall 2001 workshop on a five-year plan for the Connecticut River Joint Commission (New Hampshire and Vermont). Has facilitated over the years a series of public workshops for the Connecticut River Joint Commission on scenic trails, erosion control and other natural resource issues - a focus group type of session.
- Designed and implemented a focus group process for a food cooperative planning its long-range expansion as well as a series of workshops with co-op management for the same purpose
- Served as project manager for the development of a comprehensive non-game and endangered species plan for the State of Vermont's Department of Fish & Wildlife; also served as group facilitator for three committees and moderator public meetings on the draft plan
- Has mediated a dispute between the New York State Energy Research & Development Authority and the U.S. Department of Energy regarding long-standing issues on the management and environmental restoration of a nuclear waste site in western New York State
- Has facilitated and continues to facilitate long-range planning committee meetings and selected Board meetings as well as advised the Central Vermont Solid Waste Management District on preparation of a five-year solid waste plan. Recently engaged to facilitate meetings to update that plan in 2002
- Facilitated a retreat (and will facilitate an early 2003 retreat) for Vermont Coverts, a wildlife management organization, to develop a three- to five-year strategic plan for the organization

- Facilitated several workshops on program development and long-range planning for Keeping Track, a Vermont-based wildlife management organization
- Mediated a dispute between the Town of Essex and Village of Essex Junction, Vermont on the most appropriate government structure(s) to serve those two communities
- Consulted on evaluating the performance of selected regional waste management facilities for the central Vermont Solid Waste Management District; also facilitated a focus group investigating solutions to the illegal burning problem in Vermont
- Facilitated and mediated a four-month consensus-building project to recommend improvements to the Vermont solid waste law and plan process for a Legislature-mandated Act 78 Study Committee.
- Facilitated a Study Review Panel for the New York State Energy Research and Development Authority on a technical study to investigate the feasibility of storing radioactive waste at generator sites. Responsibilities include facilitating bi-monthly meetings, forging agreements among Study Review Panel members, coordination with the client and the panel, and preparing a final report. Worked in collaboration with Dames & Moore, the firm responsible for the technical work on this project.
- Moderated a series of public scoping meetings, draft EIS public meetings and a public policy meeting for the U. S. Department of Energy's Commercial Light Water Reactor Program for producing and extracting tritium in Alabama, Tennessee and South Carolina.
- Facilitated a series of national environmental forums for the U.S. Army on its program for the destruction of chemical weapons at various sites throughout the country. Includes forums in Little Rock, Ark., Pasco, WA, and Denver, CO.
- Facilitated a two-day workshop sponsored by the New York State Energy Research & Development Authority on transportation research issues.
- Facilitated public meetings for the Green Mountain National Forest (USFS) on a multitude of issues related to the planning of the Forest and the implementation of various aspects of that plan.
- Facilitated/mediated changes to Vermont water quality standards with multi-party group of nineteen interest groups, with a report to the state's Water Resources Board.
- Facilitated a steering committee and providing public involvement consultation for a ten-year forest resource planning project for the State of Vermont.
- Facilitated a workshop for the State of Vermont Department of Fish & Wildlife on moose management.
- Facilitated a Quality Deer Management Advisory Panel for State of Vermont Department of Fish & Wildlife.
- Facilitated a workshop on state corrections policy for a Vermont joint legislative committee.
- Facilitated, prepared a report on, and conducted a subsequent progress evaluation session on a two-day symposium on an initiative of the North and South Rivers Watershed Association (Massachusetts).

- Facilitated three-day symposium for the American Planning Association of collaborative neighborhood planning and other workshops on recreation planning and historic preservation.
- Prepared a convener's report on the issues to be addressed in a local school board/teachers' labor negotiation.
- Facilitated workshops to establish a forest roundtable for New York State.
- Facilitated a series of public meeting and economic focus group sessions related to review of the Draft Plan for the Lake Champlain Basin Program.
- Mediated deliberations among a 31-member Management Conference of the Lake Champlain Basin Program to develop agreed-upon priorities for the Program's 20-year plan.
- Facilitated three workshops for Coalition of Northeast Governors, dealing with wood/coal co-firing in electric generating facilities and the use of biomass as a feedstock for ethanol plants.
- Facilitated meetings to the development of a five-year strategy plan for the national Regional Biomass Energy Program and prepared a draft report on the results.
- Facilitated discussions and mediated agreements among a harbor planning committee for the town of Wells, Maine. Meetings served as a forum for the resolution of coastal issues, involving local, state, and federal groups. Filed a final report.
- Facilitates retreats for public, private, and non-profit organizations including the Concord (MA) Museum, the Northeast Recycling Council, the Connecticut River Joint Commissions, Central New York Regional Planning and Economic Development Board, Save the Harbor/Save the Bay (MA), Keeping Track, Inc., and TV-6, a Greenfield, MA cable television station.
- Coordinated and trained a team of facilitators for the Gulf of Maine Conference, a gathering which created the first cooperative strategy for environmental management of the coastal ecosystem shared among two Canadian provinces and three New England states. Facilitated working sessions and provided detailed notes that led to major conference recommendations and an agreement signed by the governors and premiers.
- Dozens of other projects, retreats, workshops and task force, advisory/focus group and other public meetings generally in the waste management and environmental field for private as well as public clients. These include over 150 hours of mediation experience as well as hundreds of hours of meeting facilitation and moderation.

#### PUBLICATIONS, GAMES DESIGNED and SELECTED ARTICLES

- Designer of educational games and role-playing simulations in several fields. These games and simulations include:
  - NEW TOWN, the land use development game – produced in three versions from professional planners game, to high school version, to family version – distributed by Harwell Associates, (1969 – 1975)
  - THE LIBRARIANS' GAME, a library program development game – produced under a library science grant through the Central Massachusetts Regional Library System, 1974
  - CONGRESS, a game describing how bills become law in Washington, DC), distributed by Harwell Associates, 1975
  - OIL & GAS DEVELOPMENT (1977-78), HYDRPOWER (1980) and MINE-MOUTH COAL POWER (1979) role-laying games for professionals dealing with the impacts of offshore oil and

gas development, hydropower development on rivers in New England, and coal development in the northern Great Plains),

- CLOT, a game explaining how blood coagulates and produced by Johnson & Johnson - 1974
- GUSHERS AND DUSTERS, an educational game developed for and distributed by the National Energy Foundation (1980?)
- MARKET SQUARE, a board game related to the restoration of urban historic properties and endorsed and distributed by the National Trust for Historic Preservation and Heritage Games (1984)
  
- Invited speaker and delivered papers for national and regional conferences, community service groups, and local planning organizations.
  
- Lawson, Barry R., "The Design, Use and Evaluation of NEW TOWN: a Land Use Gaming Simulation Model", included in Recent Developments in Urban Gaming, Simulation Councils Proceedings Series, Volume 2, Number 2, 1972, edited by Philip D. Patterson, Ph.D., pp. 77 – 88.
  
- Lawson, Barry R. and Dupee, Deborah, "Can Cape Cod Solve Its Water Problems?", Country Journal, Vol. V., No. 8 (August 1978), pp. 62 – 73.
  
- Lawson, Barry, R. "Energy and Natural Resources" a segment of an extensive course entitled Time's Harvest, Exploring the Future, published by the International University Consortium for Telecommunications in Learning (published as part of the Ginn Custom Publishing Program) , 1984, pp. 153 – 170.
  
- Lawson, Barry R. and Ionata, Edward, "Siting Controversial Developments: The Community Relations Approach, in Journal of Real Estate Development, Vol. 1, No. 2 (Fall 1985), pp. 21 – 32.
  
- Lawson, Barry R. et. al., contributors to Reaching Out, Reaching In: Public Participation in State Historic Planning (U.S. National Park Service), 1993.
  
- Lawson, Barry R. "Report on a Forum: Establishing an Ethanol Production Facility" for the Northeast Regional Biomass Program Policy Research Center of the Coalition of Northeast Governors, 1994.

#### Selected Community Relations Programs

- Designed and managed community relations programs for major public and private projects ranging from siting of waste treatment facilities to highway improvements to waste clean-up programs (CERCLA, RCRA, etc.). These programs included two large scale projects involving the preparation of an environmental impact statement for the Environmental Protection Agency on the siting of secondary waste treatment facilities in metropolitan Boston, a follow-up environmental impact report on residuals management for the Massachusetts Water Resources Authority, and a major highway improvement project for the Massachusetts Turnpike Authority..

#### Selected Training and Speaking Engagements

- Spoke at an alternative dispute resolution (ADR) workshop to be held in Montpelier, Vermont in June 2000.
  
- Provided a one-day training program on advanced facilitation skills to the staff of the Vermont Land Trust in June 2000

- Designs and presents training programs throughout the country on communication, facilitation and community relations skills for a variety of clients including local, state and federal agencies, architectural and engineering firms, technical consultants, non-profit organizations as well as colleges and universities.
- Served as trainer and facilitator for workshops sponsored by the American Planning Association and the National Park Service on historic preservation planning.

#### CONSULTANT, NATURAL RESOURCES PLANNING, 1970-1977

Projects included working with students to design a water quality educational simulation at Worcester Polytechnic Institute and serving on a faculty for a two-year program that trained professionals throughout the nation on the impacts of offshore oil and gas development. The latter project was sponsored by the American Planning Association (then the American Society of Planning Officials) and the American Petroleum Institute.

WAYNE STATE UNIVERSITY, Department of Urban Planning and Metropolitan Center  
Assistant Professor, 1970-1972 – taught courses in natural resource issues and policy and urban economics and had responsibility for a Junior Fellowship Program for foreign graduate students at Wayne State sponsored by the Ford Foundation.

BOSTON UNIVERSITY, Department of Urban Affairs and Planning, Metropolitan College  
Adjunct Professor, 1979-1988  
Assistant Professor, 1975-1978 – taught courses in urban economics, the environmental impact statement, natural resource issues and natural resource policy development; also directed a U. S. Department of Health, Education and Welfare supported program investigating the educational uses and potential of environmental impact statements

BENTLEY COLLEGE, Environmental Management Certificate Program  
Adjunct Professor, 1993 – 1994 – designed and delivered two six-week graduate programs on dispute resolution.

NEW ENGLAND RIVER BASINS COMMISSION  
Senior Resource Planner, 1972-1974

AMERICAN-YUGOSLAV PROJECT IN REGIONAL AND URBAN PLANNING STUDIES,  
LJUBLJANA, YUGOSLAVIA, 1967-1968 and 1969-1970

This project, sponsored the U.S. State Department, the Ford Foundation and the Yugoslav Fund for Scientific Research was a multi-year program based in Slovenia (former Yugoslavia). Responsibilities included serving as Project Manager, researcher (studies on housing and agricultural development), and trainer (land use games). In this position he also began his dissertation based on a study area to the northeast of Ljubljana, the capital of Slovenia.

#### MEMBERSHIPS and COMMUNITY SERVICE

Member, American Planning Association, 1966 - present

Former Chairman of the Board and President, Nashua River Watershed Association (MA), 1975-78?

Former President, North American Simulation and Gaming Association (1975-76)

Member, Vermont Mediators Association, 1995 - present

Former Chairman and member, Town of Peacham (VT) Planning Commission, 1995 - 2005

Former President, Vice President and current Board Member, Board of Trustees, Fairbanks Museum and Planetarium, St. Johnsbury, Vermont, 1996 – present

Member and Local Cooperator Contact, Vermont Coverts, Inc., a wildlife management organization, 2000 to present