

**EDUCATION:**

**Master of Community and Regional Planning**, University of Oregon, Eugene, OR. June 1992.

**Bachelor of Arts - Political Science**, California State University, Chico, CA. May 1990.

**PROFESSIONAL EXPERIENCE:**

**Principal Consultant - MRG & Associates**, 1991 to present.

Marshall Goldberg is a resource planner with a broad background in resource and land use policy and impact analysis. He has considerable experience designing, coordinating, and completing research and assessment projects, working with government agencies, managing projects, coordinating team efforts and conducting workshops.

Since 1991, Marshall has been involved in analyzing utility, government, and industry programs and policies as well as evaluating energy and marine resources, land use impacts, and the socio-economic impacts associated with them. These projects cover a broad spectrum, ranging from reviewing and analyzing the economic impacts associated with energy efficiency policies throughout the United States, to analyzing the socio-economic impacts of the US Virgin Islands Marine Protected Areas, to evaluating land use and economic issues associated with power plant development in the Midwest.

Marshall has completed projects for numerous clients, including the U.S.D.A. Forest Service, the Virgin Islands Department of Planning and Natural Resources, the U.S. Department of Energy, the Illinois Department of Commerce and Community Affairs, the National Renewable Energy Laboratory, the Virgin Islands Anti-Litter and Beautification Commission, the American Public Power Association, the American Council for an Energy-Efficient Economy (ACEEE), the Union of Concerned Scientists, the Tellus Institute, the Michigan Public Services Commission, and the Nevada Department of Business and Industry, among others.

During the last fifteen years Marshall has completed numerous resource policy studies, has evaluated the impacts of investments in energy efficiency and renewable resources throughout the U.S. and completed studies assessing the economic impacts of national transportation policies. He has provided testimony before several regulatory commissions; most recently providing testimony before the Indiana Utility Regulatory Commission on developing a framework for siting merchant power plants in Indiana. He has assisted the U.S. Virgin Islands Government in analyzing energy conservation and resource management strategies, provided public policy and community outreach support, and facilitated numerous

workshops, including a strategic planning initiative. Complementing this work, he helped develop the Virgin Islands Energy and Economic Management Information System (EEMIS); a series of electronic databases and analytical tools to support more comprehensive understanding and assessment of the economy, energy, environmental, and land use policies and impacts.

Prior to forming MRG & Associates Marshall worked as a Research Planner at the University of Oregon, Community Planning Workshop, specializing in resource and environmental research, developing and conducting surveys, and land use and transportation planning and analysis. He has taught Environmental Studies and Environmental Health Planning classes for undergraduate and graduate students. His background also includes providing litigation support services, director at a community legal information center, working with farmers, and coordinating research and public education efforts to assist policy makers in land use policy development and planning efforts. Marshall has also done extensive work in the solid and hazardous waste management field, helping develop and coordinate countywide management plans and public information and outreach efforts.

**PROFESSIONAL and COMMUNITY ACTIVITIES:**

**Planning Commissioner**, County of Nevada, California, January 2001 to December 2002.

**Board of Directors**, Willow Wood Waldorf School, Sebastopol, California, 1996 and 1997.

**Committee Member**, Lane County Resource Recovery Advisory Committee, Eugene, Oregon, 1991 through 1994.

**Board of Directors**, Grower's Market, Eugene, Oregon, 1993 and 1994

**Committee Member**, Butte County Solid/Hazardous Waste Advisory Committee, Oroville, California, 1987 through 1990, Vice-chair 1987 through 1989.

**Supervisor**, Butte County Hazardous Materials Education Program, Butte County Planning Department, Oroville, California, 1989.

**Co-Director**, Environmental Program, Community Legal Information Center, California State University, Chico, Chico, California, 1988 and 1989.

Marshall has authored or co-authored more than 30 papers and studies on energy, resource policy, land use issues and associated economic and environmental impacts. A listing of his publications and testimony is available upon request.

*Jobs and Economic Development Impact (JEDI) Coal Model.* An economic development impact model developed for the National Renewable Energy Laboratory (NREL) to assess impacts from constructing and operating coal power plants. January 2006.

*Jobs and Economic Development Impact (JEDI) Natural Gas Model.* An economic development impact model developed for the National Renewable Energy Laboratory (NREL) to assess impacts from constructing and operating natural gas power plants. January 2006.

*A Study of Wind Energy Development in Wisconsin.* A collaborative report co-authored with Seventh Generation Energy Systems, Inc., Northwest SEED, Wind Utility Consulting, and the Energy Center of Wisconsin. The report was prepared for the Wisconsin Division of Energy. July 2004.

*Jobs and Economic Development Impact (JEDI) Wind Model.* An economic development impact model developed for the National Renewable Energy Laboratory (NREL) to assess impacts from constructing and operating wind power plants. January 2003.

*Socio-Economic Assessment of Marine Resource Utilization in the U.S. Virgin Islands.* A report co-authored with Claudette Hinds (Hinds Unltd.). Prepared for the U.S. Virgin Islands Department of Planning and Natural Resources as part of the V.I. Marine Park Project, an initiative of the Government of the Virgin Islands, implemented as part of the U.S. National Action Plan to Conserve Coral Reefs. January 2003.

*The New Motherlode: The Potential for More Efficient Electricity Use in the Southwest.* A report co-authored with members of the Southwest Energy-Efficiency Project (SWEEP), the American Council for an Energy Efficient Economy (ACEEE), the Tellus Institute and Robert Mowris (Robert Mowris & Associates). Prepared for the Southwest Energy Efficiency Project. November 2002.

*The Bottom Line on Kyoto: Economic Benefits of Canadian Action.* A report co-authored with Bailie, A., Bernow, S., Dougherty, W., Runkle, B., A report prepared by the Tellus Institute for the David Suzuki Foundation. April 2002.

*Clean Energy: Jobs For America's Future.* A report co-authored with Bailie, A., Bernow, S., Dougherty, W., Lazarus, M., Kartha, members of the Tellus Institute for the World Wildlife Foundation. October 2001.

*Macroeconomic Impacts for the UCS Utopia Transportation Scenario.* A report prepared for the Union of Concerned Scientists providing background data and analysis for *Drilling in Detroit: Tapping Automaker Ingenuity to Build Safe and Efficient Automobiles*. June 2001.

*Assessing the Impacts of Electric Retail Competition on Mississippi's Residents and Businesses.* A report co-authored with Skip Laitner. Prepared for the Mississippi Department of Economic and Community Development Energy Division. November 2000.

*Federal Energy Subsidies: Not All Technologies Are Created Equal.* A report prepared for the Renewable Energy Policy Project, Washington, DC, for the U.S. Department of Energy. July 2000.

*Prefiled and Direct Testimony of Marshall R. Goldberg in the Matter of the Petition by State Line Energy, LLC., for Certain Determinations by the Commission with Respect to its Jurisdiction over Petitioner's Activities as an Exempt Wholesale Generator Under Federal Law, State of Indiana, Indian Utility Regulatory Commission, Cause No. 41590.* Prepared for the Citizens Action Coalition of Indiana, Inc. July 2000.

*Texas' Global Warming Solutions.* A study co-authored with Steve Bernow, William Dougherty, and Jane Dunbar of the Tellus Institute. The study was prepared for the World Wildlife Fund under the direction of the Tellus Institute, Cambridge, MA. February 2000.

*Prefiled and Direct Testimony of Marshall R. Goldberg on behalf of the Arizona Corporation Commission.* State of Arizona, Arizona Corporation Commission, Cause No. 41590. Prepared for the Citizens Action Coalition of Indiana, Inc. July 2000.

*Energy Efficiency and Renewable Energy Technologies as an Economic Development Strategy for Texas.* Co-authored with Skip Laitner for the State of Texas Department of Economic Development. December 1998.

*Energy Efficiency and Economic Development in Illinois.* A report co-authored with Martin Kushler, Steven Nadel, Skip Laitner, Neal Elliott, Martin Thomas of ACEEE. Prepared for the Illinois Department of Commerce and Community Affairs. December 1998.

*Arizona Energy Outlook 2010: Energy Efficiency and Renewable Energy Technologies as an Economic Development Strategy.* A report co-authored with Skip Laitner for the National Renewable Energy Laboratory, the Land and Water Fund of the Rockies, and the Arizona State Energy Office, a Division of the Arizona Department of Commerce. July 1998.

*Quantifying Benefits of U.S. Department of Energy Programs, Study Area: Albuquerque/Bernalillo County, New Mexico.* A report co-authored with Skip Laitner for the U.S. Department of Energy, Denver Regional Support Office. Golden, CO. August 1997.

*Energy: A Major Economic Development Strategy for Nevada, The Case for Aggressively Pursuing Energy Efficiency and Development of Renewable Energy Industries in Nevada.* A report co-authored with Skip Laitner for the Nevada State Energy Office, a Division of the Department of Business and Industry, the Corporation for Solar Technology and Renewable Resources, and the National Renewable Energy Laboratory. June 1997.

*Assessing the U.S. Employment Benefits from Increased Production of U.S. Renewable Energy Technologies, Part 1: Review of Renewable Energy Employment Impact Studies and Part 2: Multipliers for Exported Products.* Two companion reports co-authored with Skip Laitner and Anne Polansky (Solar Energy Industries Association). Prepared for the Solar Energy Industries Association. Washington, DC. December 1996.

*Regional Energy and Economic Self-Sufficiency Indicators in the Southeastern United States.* A report co-authored with Skip Laitner for the Southeastern Regional Biomass Energy Program, Tennessee Valley Authority. Muscle Shoals, AL. May 1996.

*Planning For Success: An Economic Development Guide for Small Communities.* A guidebook for electric utilities, co-authored with Skip Laitner. Prepared for the American Public Power Association. Washington, DC. March 1996.

*Environment and Jobs: The Employment Impact of Federal Environmental Investments.* A report co-authored with Skip Laitner and Michael Sheehan. Prepared for the National Commission for Employment Policy. Washington, DC. April 1995.

*U.S. Virgin Islands Energy Profile.* A report co-authored with Skip Laitner and Gregory Holmes. This report represents a compilation of eight individual reports written on energy use, production, policies and economics, for the U.S. Virgin Islands Energy Office. Frederiksted, USVI. December 1994.

*Assessment of Small Scale Biomass Cogeneration in the State of Michigan.* A report co-authored with Skip Laitner and Gregory Holmes. Prepared for the Michigan Biomass Energy Program, Public Service Commission, Michigan Department of Commerce. Lansing, MI. July 1994.

*Energy Choices Revisited: An Examination of the Costs and Benefits of Maine's Energy Policy.* A report co-authored with Steve Bernow (Tellus Institute), Skip Laitner (Economic Research Associates), and Jeff Hall and Marc Breslow (Tellus Institute). Prepared for the Mainewatch Institute. Hallowell, ME. February 1994.

*Energy and Economic Indicators: A Manual for the U.S. Virgin Islands Energy Office.* A guidebook developed for the U.S. Virgin Islands Energy Office staff. Christiansted, USVI. November 1993.

*Expanding Energy Savings by Accelerating Market Diffusion of Efficient Technologies: Three Case Studies.* A report co-authored with the Center for Applied Research and Economic Research Associates, for the U.S. Department of Energy. Washington, DC. February 1992.