

HUGH GILBERT PEACH, PH.D.

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- Manager/Principal Investigator: Demand-Side Management Studies, Low-Income Program Studies, Evaluation Research, Organizational Studies, Survey Research, Socioeconomic Studies, Applied Statistics, Planning & Policy Studies, Litigation Support.
- Expert Services including Evaluation design and methods; Expert Witness Services on truth in measurement issues; Strategic intelligence/Policy development.
- Academic specialization in Study of Political Economics, Applied Social Statistics, Sociology of Economic Life, Organizational Studies, Sociology of Deviance & Social Control, Econometrics.
- Thirty years experience in applied and evaluation research in Demand-Side Management, low-income energy and water programs, health, housing, social services, community-based projects, management & organizational studies, market & market transformation.

Experience

Principal, H. Gil Peach & Associates (HGPA). January 1988 to present. HGPA provides evaluation design, process and impact evaluation services, planning and program development services, management and organizational studies, program design, policy studies, litigation support, expert witness services, and support for consensus building/collaborative initiatives. HGPA is the US member, along with a Canadian and a Swedish firm in the Scan America® Group, providing planning, measurement and evaluation services worldwide.

Manager, Evaluation & Coordinator, Demand Side Management Planning, Pacific Power & Light. 1988 to April 1989. Managed development of conservation supply curves, demand side of least-cost planning, development of portfolio of conservation programs.

Manager, Research & Evaluation, Pacific Power. 1984 to 1988. Managed research studies while maintaining consensus among industry, government, and public interest groups in a multi-year program of energy policy related social research.

Research & Evaluation Coordinator, Pacific Power. 1983 to 1984. Managed project evaluation for the Hood River Conservation Project, at the time the most ambitious community weatherization effort in the United States.

Senior Analyst, Analyst, Pacific Power. 1980 to 1982. Reviewed, designed, and coordinated survey research projects, load studies, statistical, and energy conservation studies; coordinated improvements in computer supported statistical analysis; developed staff capability in research methods. Responsible for direct day-to-day supervision of load research staff.

Research Statistician/Computer Analyst, Fund for the City of New York. 1978 to 1980. Conducted social research and statistical analysis for public sector management studies to improve efficiency and quality of service in hospital outpatient services, subways, and taxi regulation, social services, training and employment programs. Pioneered the role of research planning and technical analytic support for joint projects of non-profit agencies which developed, for a time, as a major focus of the foundation.

Marketing Consultant. 1975 to 1980. Applied analytic problems, primarily in survey research. Principal clients: Pan Am, Citibank, Avon Products, American Market Research Bureau.

Senior Quantitative Analyst, Program Research Analyst, City of New York. 1972 to 1978. Evaluation research for Health Department; represented Director to funded university and hospital research teams. Various positions 1969 to 1972: Applied housing program research, urban renewal, training, budgeting, applied statistics.

Senior Clerk - New York Stock Exchange - 1969. Assisted on trading floor, developed statistical reports.

Professional Memberships

American Evaluation Association; American Statistical Association – Past President, State of Oregon Chapter, Society for the Social Study of Science; Association of Energy Services Professionals; Society for the Social Study of Science; Project Management Institute.

Education

Ph.D. Sociology (1985), New York University, New York, New York. Dissertation topic: The Social Production of Applied Social Statistics. This is a study of how social factors influence the construction of quantitative results when applied statistics are developed in different kinds of organizations.

MA Economics (1972), New School for Social Research, New York, New York.

MA Sociology (1969), Michigan State University.

BS Sociology (1965) Michigan State University.

Other: Sociology; One Year of Metropolitan Urban Service Training, Union Theological Seminary, New York, New York. Substantial undergraduate study in physics and mathematics, Michigan Technological University, Houghton, Michigan.

Selected Papers & Publications

- Peach, Hugh Gilbert, "Coal" and Fossil Fuels," sections of a freshman/sophomore year college textbook on energy, Greenwood Press, September 2008.
- Peach, H. Gil, "Global Perspectives on Technology in History" and "Public Understanding of Technology," in Sal Restivo, ed., *Science, Technology, and Society*, an Encyclopedia. Oxford, UK and New York, NY: Oxford University Press, 2005.
- Peach, H. Gil, et al., "Evaluator as Fool; Tricking the Evaluator into Confirming Phantom Savings as Real," *Proceedings of the 2005 International Evaluation Conference*. Brooklyn, New York: International Energy Program Evaluation Conference (IEPEC), Aug. 2005.
- Peach, H. Gil, Ryan N. Miller, Anne West, and Howard Reichmuth, "Cost Evaluation Issues in Energy and Water Assistance Programs," Session on Cost Evaluation at the American Evaluation Association Meetings, Atlanta, GA, Nov. 2004.
- Peach, Hugh, Ryan Miller, and Howard Reichmuth., "Representations of Inequality in the Context of Free Trade and Globalization," Joint Meetings of the Canadian Statistical Association and American Statistical Association, Toronto, Ontario, Canada, Aug. 8-12, 2004.
- Peach, H. Gil, "Globalization: What do we owe the Future?" National Low-Income Energy Conference/NLIEC 2000, Workshop on Globalization, Los Angeles, CA, June 2000
- Peach, H. Gil, "Improving Customer Service--The Customer Perspective." Paper presented to Workshop on Maintaining Quality Customer Service during the Transition to Competition, NLIEC 1999 Conference, Pittsburgh, PA, June 1999. Based on evaluation results, this paper contrasts the perspectives and pressures on utilities with the perspectives and needs of customers during organizational and economic transition.
- Peach, H. Gil, "Implications of Income Shifts & Globalization for Program Evaluation in the United States." Beaverton, OR: H. Gil Peach and Associates, Monograph 99-1-1, 1999. Preliminary theoretical developments of this monograph were presented in Session 227, "Global Thinking in Evaluation," at the 1998 Annual Meeting of the American Evaluation Association, "Transforming Society through Evaluation," Chicago, IL, Nov. 4-7, 1998; and at the Affordable Comfort Conference, Madison, WI, in the spring of 1998. This research monograph is an "alert to evaluators" detailing the need to take secular economic trends into account in evaluations, in that changes in social organization and economic context have become stronger factors than direct program influences in contributing to the outcomes of many programs.
- Peach, H. Gil, Paul A. DeCotis, and Luisa M. Freeman, "Evaluating Consumer Energy Aggregations: A Policy Perspective," Pp. 2.241-2.256 in the *Proceedings of the 2000 ACEEE Summer Study on Energy Efficiency in Buildings*, Panel 2, Residential Buildings: Program Design, Implementation, and Evaluation.
- Peach, H. Gil, "Industrial Energy Efficiency in the Michigan Collaborative." in *Energy Program Evaluation: Uses, Methods, Results*, CONF-950817, Pp. 43-47. Chicago, IL: National Program Evaluation Conference, 1997. Based on evaluation results, this paper presents a public-responsibility perspective on industrial energy programs.
- Peach, H. Gil, C. Eric Bonnyman, and Joseph C. Ghislain, "What Works for Energy Efficiency in Large Industry." In *ACEEE Summer Study on Energy Efficiency in Industry*, Pp. 473-482. Saratoga, NY: American Council for an Energy Efficient Economy, 1997. Based on

evaluation results, this paper presents industrial energy efficiency programs from the industrial perspective of global auto companies.

- Castelow, Carl, C. Eric Bonnyman, Joseph Ghislain, Phares A. Noel, Mary A. Kurtz, Jim Malinowski, H. Gil Peach, and Martin Kushler, "Energy Efficiency in Automotive and Steel Plants." In *Sustainable Energy Opportunities for a Greater Europe: The Energy Efficiency Challenge for Europe*, Pp. 166 1-10. Spindleruv Mlyn, Czech Republic: European Council for an Energy-Efficient Economy, 1997. This paper presents a technical perspective, based on a three-year evaluation of industrial programs at three major auto companies and two major steel plants in the US.
- Peach, H. Gil, "Low Income Program Evaluation for a Competitive Era," in *The Future of Energy Markets: Evaluation in a Changing Environment*, Pp. 293-300. Chicago, IL: National Program Evaluation Conference, 1997. This paper introduces improvements in evaluation perspectives and methods in the evaluation of low-income programs.
- West, Anne Minor, Howard S. Reichmuth, Pamela Brandis, and H. Gil Peach, "Seven Years After: Impact Evaluation Results Employing Extensive Site Inspection Data and Associated Pre/Post Billing Analysis," Pp. 3.97-3.104 in the *Proceedings of the 1996 ACEEE Summer Study on Energy Efficiency in Buildings*, Panel 3, Residential Programs: Program Evaluation.
- Peach, H. Gil, Pamela Brandis, C. Eric Bonnyman, and Agneta Persson, "Market Transformation in Manufactured Housing: A Pacific Northwest Experience," Pp. 3.115-3.122 in the *Proceedings of the 1996 ACEEE Summer Study on Energy Efficiency in Buildings*, Panel 3, Residential Programs: Program Evaluation.
- Peach, H. Gil, Ralph Prah, Jeff Schlegel, and Rick Fleming, "Moving Towards Market Transformation", *Proceedings of the 1993 ECEEE Summer Study: The Energy Efficiency Challenge for Europe*. R. Ling & H. Wilhite (eds.). The European Council for an Energy Efficient Economy, Oslo, Norway, Pp. 141-151, 1993. This paper deals with using market forces to promote program goals, and with how evaluation changes in a market context.
- Peach, H. Gil, "Performance Contracting: Advice to Utilities." *Home Energy*, Vol. 9, Pp. 19-21, 1992. This article alerts readers to several differences in how some performance contractors approach evaluation and measurement issues, in contrast to program sponsors.
- Peach, H. Gil, "Energy Conservation Technical Collaboratives," Paper presented to the 4S/EASST Joint Conference, Gothenburg, Sweden, August 1992. This paper contrasts the collaborative styles of California and New England in multi-party program and evaluation design.
- Peach, H. Gil, "Verification and Sample Design." *Evaluation Exchange*, Vol. 1, No. 7, Pp. 12-13, 1991. This is a short technical contribution to quantitative method in evaluation.
- Keating, Kenneth and H. Gil Peach, "Demonstration Projects: What's in Them for Utilities?" *Energy and Buildings*, Vol. 13, Pp. 85-91, 1989. This article calls for sponsorship of demonstration projects to promote social and organizational learning.
- Peach, H. Gil and Eric Hirst, "Factors in the Practice, Organization, and Theory of Evaluation," *Evaluation and Program Planning*, Vol. 12, Pp. 163-170, 1989. This is an article on evaluation method, calling for positive inclusion of organizational context as a factor in evaluations.

- Morse, William L. and H. Gil Peach, "Control Concepts in Conservation Supply," *Energy*, Vol. 14, No. 11, PP 727-735, 1989. This is a technical/statistical publication on energy conservation, incorporating evaluation as a tool for incremental social and organizational learning.
- Peach, H. Gil, "Evaluation Strategies and Customer Response to Energy Efficiency Programmes: Pro-Active Evaluation--Lessons for the Future." *Workshop on Conservation Programmes for Electric Utilities*, Pp. 341-351. Paris, France: International Energy Agency and Organization for Economic Cooperation and Development, 1988. This paper is a call for evaluators to work with program planners and implementation staff. Thesis: While retaining a responsibility to "call things as they are" in the final evaluation, evaluators should share a common interest in and contribute to program success and social learning along with other parties.
- Peach, H. Gil, "Utilization Focused Field Experiments", Paper presented to Conference on Advances in Knowledge Utilization: Impacts of Sciences and Professions in the Information Society, A Joint Conference Sponsored by the Howard R. Davis Society for Knowledge Utilization and Planned Change and the University of Pittsburgh, Oct. 8-10, 1987. A short paper contrasting different approaches to evaluation and knowledge development in different kinds of projects.
- Peach, H. Gil, "Argumentation in Applied Research", Paper presented at the 10th Annual Meeting of the Society for Social Studies of Science, Rensselaer Polytechnic Institute, Troy, NY, Oct. 24-27, 1985. A paper illustrating the Dunn/Toulmin policy analysis approach to multi-party evaluation, employing "argument maps."
- Keating, Kenneth M., Ruth L. Love, Terry V. Oliver, H. Gil Peach, & Cynthia B. Flynn, "The Hood River Project -- Take a Walk on the Applied Side", *The Rural Sociologist*, Vol. 5, No. 2, Pp. 112-118, 1985. This paper deals with the learning experience for program planners and evaluators in the contrast between evaluation planning and the encounter with realities in the field.
- Peach, H. Gil, Terry V. Oliver, Mark Cherniack, David Goldstein, and Marion Philips, "Dialectic of Cooperation: How the Hood River Project Worked." In *ACEEE Summer Study on Energy Efficiency in Buildings*. University of California at Santa Cruz: American Council for an Energy Efficient Economy, 1984. The paper details the 'back and forth' relations of continued collaboration in a multi-year multi-party evaluation.
- Peach, H. Gil, "The Hood River Conservation Project: A Model for Consensus-Building in Applied & Energy Research." Paper presented to the eighth annual meeting of the Society for Social Studies of Science, Session I, Taking Scientific Practice Seriously. Blacksburg, VA, 1983. The paper emphasizes the relationship of research quality, a focus on measurement and evaluation, and collaboration.

Representative Consulting Engagements

Beginning in 1988, H. Gil Peach & Associates began a series of engagements, primarily for utilities but also for government and sometimes for advocacy groups in the DSM area, primarily in energy efficiency evaluation and policy development but with a strong emphasis on low-income program (weatherization and payment assistance) evaluation, policy development, and program design. Some of the projects also focused on litigation support and expert witness services on truth in measurement issues. Here is a partial list of engagements:

2009-2012 Annual Low-Income Evaluations for State of Nevada for legislative committees and the governor

2009-2012 Member of Evaluation Advisory team supporting NY Commission Staff

2010-2011 DSM Advisor to Western Michigan University Evaluation Center Process

2010 Evaluation of "Michigan Saves" Michigan Commission Revolving Fund Pilot

2010 Evaluation of First Energy (Met Edison, Penn Power & Penn Electric) Low-Income Programs for FirstEnergy and the Pennsylvania Commission

2009-2010 DSM Verification & Due Diligence Inspection Consultant for the Nova Scotia Energy and Utility Board (Nova Scotia Commission)

2008-2009 Evaluation Advisor to Illinois Stakeholder Advisory Group for Ameren Illinois and COM Ed DSM evaluations (with Ralph Prah)

2008 Survey of kit and low-income program designs for Ontario Consumers Gas (for Boice-Dunham Group)

2007-2008 Evaluation of State of Oregon Low-Income Weatherization Assistance Program

2006-2009 Miscellaneous Evaluation Work Assignments for California Commission Impact Evaluations (for Jai J. Mitchell Analytics)

2005-2009 Nine DSM Potential studies with program action plans and evaluation designs (Duke NC, Duke SC, Duke Kentucky, Duke Ohio, AEP Indiana-Michigan Power (Indiana only), Indianapolis Power & Light, Citizens Gas Company, Vectren Indiana Gas, Vectren Indiana Electric)

2000-2007 District of Columbia Energy Office, two evaluations of federal REACH grant program

2006 National Low-Income Evaluation Design Review Committee for Oak Ridge National Laboratory and US Department of Energy

2006 State of Illinois Low-Income Program Design Consultant

2005 Evaluation Designs for DC Payment Assistance & Weatherization Programs

2003-2008 Annual State of Nevada Performance Evaluations of Low-Income Programs for legislative committees and governor

2006 DSM litigation support for Ohio Partners for Affordable Energy

2005-2008 Low-Income Program Designs for five major US utilities

2004-2005 Residential Evaluation, Jersey Central Power & Light

2005 Expert Witness on Low-Income Program Design for Salt Lake City CAP and State Housing Division

2004 Philadelphia Gas Works, Financial Analysis and testimony in support of Low-Income Rates

2004 Evaluation for First Energy Pennsylvania Low-Income Programs (Met Edison, Penn Power, Penn Electric)

2002-2003 Joint Massachusetts Low-Income Market Research Study (for Eastham Associates)

2002-2003 Philadelphia Gas Works, Seniors & Low Income Rate Design

2002 US Department of Health & Human Services, Meta-Evaluation for REACH

2002 Evaluation Residential & Low-Income Evaluation for General Public Utilities

2002 Philadelphia Gas Works, Low-Income Financial, Rate Design & Policy Study

2001-2005 First Energy, PPL, Allegheny Power, Low-Income Solar Hot Water & PV Evaluation

2000 Enbridge Consumers Gas, Audit of Evaluations for submission to Ontario Commission

2000 PECO Energy Low-Income Solar Hot Water Evaluation

2000-2003 Dominion Gas Low-Income Policy Study

2000-2003 PECO Energy Universal Energy Charge Low-Income Evaluations & Rate Design

2000/2002 Two Pennsylvania-American Water Company Low-Income Program Evaluations

1999-2000 Residential Verification Evaluation and Expert Witness in Federal District Court for Snohomish Public Utility District

1999 Expert witness on low-income programs for Kentucky Community Action Agencies

1999 Columbia Gas Low-Income (Universal Service) Mini-Evaluation

1998-2001 NYSERDA REACH Low-Income Program Evaluation (for Luisa Freeman/Applied Energy Group)

1997 Allegheny Power Low-Income Program Evaluation

1995 Wisconsin Electric Evaluation Audit for Wisconsin Commission, including Low-Income Programs

1995-1996 Equitable Gas Low-Income (Universal Service) Evaluation

1994-1996 Michigan Commission/Detroit Edison Collaborative Evaluation Technical Consultant (All Sector with emphasis on industrial DSM at Ford, GM, Chrysler)

1993-1995 Evaluations for Bonneville Power including Manufactured Housing and Residential Programs

1993-1994 Washington Water Power Low-Income Weatherization Assistance Evaluation

1992-1994 Commonwealth Edison & Cambridge Electric Program Design and Evaluation (All Sectors)

1991-1994 Boston Edison Residential Performance Contracting Program Evaluation

1992-1993 Massachusetts Collaborative Management Study of Boston Edison DSM

1990-1993 Ontario Hydro, Espanola Community-Based Residential/Commercial Program Design

1990-1992 Evaluations of Duquesne Light Universal Service Program

1989-1990 Northeast Utilities, Evaluation of Residential Performance Contracting Program

1990 LA Department of Water & Power, Electric Division, Management Study of DSM Evaluation

1989-1991 Series of Evaluations across residential, commercial and low-income sectors for Central Maine Power

1988-1994 Series of low-income evaluations for West Penn Power

1988-1993 Evaluation Consultant for Massachusetts Collaborative and Connecticut Collaborative (All sector evaluation designs)

Expert Witness and/or Litigation Support Engagements

Massachusetts, Connecticut and Rhode Island – Testimony on DSM potential and practice in Commission hearings.

Massachusetts – Testimony in Commission hearing on DSM program measurement, litigation support for Com Electric and Boston Edison DSM and evaluations. Verification Evaluation for Boston Edison.

Bonneville Power Administration – Litigation support for federal district court resolution of DSM measurement dispute.

Snohomish Public Utility District No. 1 – Verification Evaluation and Expert Testimony in federal district court resolution of DSM measurement dispute.

Southern California Edison/Southern California Gas – Verification Evaluation and initial litigation support for DSM measurement dispute.

Kentucky – Expert testimony in Commission hearings on the potential and structuring of low-income programs.

Utah – Verification Evaluation and expert testimony on DSM measurement issues concerning low-income programs.

Ontario – Verification Evaluation for all sector gas and electric audit for Enbridge Consumers Gas for submission to Ontario Commission.

Wisconsin – Verification Evaluation for Wisconsin Electric for submission to Wisconsin Commission.

Massachusetts – We have provided ongoing evaluation review support to staff of the Massachusetts Commission for review of contested and complex DSM evaluations.

New York – Dr. Peach has provided review of DSM evaluation for the Commission in a formal audit of a major New York utility, and currently serves as a DSM evaluation advisor to staff of the New York Commission.