




James Sweeney

Professor of Management Science & Engineering, Senior Fellow at the Stanford Institute for Economic Policy Research, at the Precourt Institute for Energy and, by courtesy, at the Hoover Institution

Management Science and Engineering

 Curriculum Vitae available Online

CONTACT INFORMATION

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Bio

BIO

James L. Sweeney is Professor of Management Science and Engineering; Senior Fellow of the Stanford Institute for Economic Policy Research; Senior Fellow of the Hoover Institution on War, Revolution and Peace; and senior fellow of the Precourt Institute for Energy. He served as chairman of the Stanford Department of Engineering-Economic Systems and chairman of the Department of Engineering-Economic Systems and Operations Research. Until recently he was director of the Precourt Energy Efficiency Center.

His professional activities focus on economic policy and analysis, particularly in energy, natural resources, and the environment. His research includes energy policy, depletable and renewable resource use, electricity market analysis, environmental economics, global climate change policy, gasoline market dynamics, energy demand, and energy price dynamics. Along with Alan Kneese, he was editor of the three volume Handbook of Natural Resource and Energy Economics, part of the North Holland Handbooks in Economics series. He is the author of the book "The California Electricity Crisis", an analytical history of the economic and policy issues associated with California's electricity restructuring and the subsequent crisis. He authored the book, "Energy Efficiency: Building a Clean, Secure Economy," which shows how energy efficiency has led to US energy import security, a deep de-carbonization of the US economy, and economic benefits to the United States.

At Stanford he has served as Director of the Energy Modeling Forum, Chairman of the Stanford Institute for Energy Studies, and Director of the Center for Economic Policy Research (now the Stanford Institute for Economic Policy Research), and founding director of the Precourt Energy Efficiency Center.

He periodically serves as a consultant or advisor to corporations, governmental agencies, non-governmental organizations, and law firms. He has served as expert witness in energy litigations in natural gas, oil, and electricity industries in the United States and in New Zealand.

He holds a B.S. degree from MIT in Electrical Engineering and a Ph.D. from Stanford University in Engineering Economic Systems. His articles have appeared in numerous books and journals, including Econometrica, Journal of Economic Theory, Resources and Energy, Management Science, Journal of Urban Economics, The Energy Journal, and International Encyclopedia of the Social and Behavioral Sciences.

ACADEMIC APPOINTMENTS

- Professor, Management Science and Engineering
- Senior Fellow, Stanford Institute for Economic Policy Research (SIEPR)
- Senior Fellow, Precourt Institute for Energy
- Hoover Senior Fellow (By courtesy), Hoover Institution
- Senior Fellow, Precourt Institute for Energy
- Director, Precourt Energy Efficiency Center
- Affiliate, Stanford Woods Institute for the Environment

ADMINISTRATIVE APPOINTMENTS

- Director, Precourt Energy Efficiency Center, (2006-2018)

HONORS AND AWARDS

- Distinguished Service Award, Federal Energy Administration (1975)
- Excellence in Teaching Award, Stanford Society of Black Scientists and Engineers (1989)
- Senior Fellow, U.S. Association for Energy Economics (1999)
- National Associate, National Academies (2004)
- Adelman-Frankel Award, United States Association for Energy Economics (2007)
- Outstanding Contribution Award, International Association for Energy Economics (2008)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member Founding member, International Association for Energy Economics (1977 - present)
- Member, US Association for Energy Economics (1994 - present)
- Member, National Research Council Board on Energy and Environmental Systems (1996 - 1999)
- President of the Board, Stanford Campus Residential Leaseholders, Inc (2002 - present)
- Member, National Renewable Energy Laboratory, External Advisory Council (2003 - 2018)
- Member, Governor Schwarzenegger's Council of Economic Advisors (2004 - 2011)
- Board of Directors, Hara Software (2011 - 2013)
- Advisory Board, American Efficient (2011 - 2014)
- Member, National Research Council Board on Environmental Change and Society (2011 - 2014)
- Advisory Board, Sun Synchrony (2012 - 2016)
- Advisory Board, Geothermic Solution (2013 - present)
- Committee Member, State of California, Petroleum Market Advisory Committee (2015 - 2017)
- Chair of Council, California Council on Science and Technology (2018 - 2019)

PROGRAM AFFILIATIONS

- Public Policy

PROFESSIONAL EDUCATION

- PhD, Stanford University , Engineering Economic Systems (1971)
- BS, Massachusetts Institute of Technology , Electrical Engineering (1966)

LINKS

- Precourt Energy Efficiency Center: <http://peec.stanford.edu>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Determinants of energy efficiency opportunities, barriers, and policy options. Emphasis on behavioral issues, including personal, corporate, or organizational. Behavior may be motivated by economic incentives, social, or cultural factors, or more generally, by a combination of these factors. Systems analysis questions of energy use.

Teaching

COURSES

2023-24

- Capstone Project Seminar in Environment and Resources: ENVRES 290 (Spr)
- Economic Analysis: MS&E 141, MS&E 241 (Win)
- Energy and Environmental Policy Analysis: MS&E 243 (Spr)
- Senior Project: MS&E 108 (Win)

2022-23

- Economic Analysis: MS&E 141, MS&E 241 (Win)
- Energy and Environmental Policy Analysis: MS&E 243 (Spr)
- Senior Project: MS&E 108 (Win)

2021-22

- Economic Analysis: MS&E 241 (Win)
- Energy and Environmental Policy Analysis: MS&E 243 (Spr)
- Policy and Economics Research Roundtable (PERR): MS&E 441 (Win)
- Senior Project: MS&E 108 (Win)

2020-21

- Economic Analysis: MS&E 241 (Win)
- Energy and Environmental Policy Analysis: MS&E 243 (Spr)
- Policy and Economics Research Roundtable (PERR): MS&E 441 (Win, Spr)
- Senior Project: MS&E 108 (Win)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Fernando Rodriguez Silva Santisteban

Master's Program Advisor

SD Cadwallader, Lyna Kim, Grace Lee, Steven Li, Emily Liu, Michael Liu, Jasmin Lopez, Tammy Tseng, Aya ZAARI JABRI

Publications

PUBLICATIONS

- **Energy Efficiency: Building a Clean, Secure Economy**

Sweeney, J. L.

Hoover Institution Press.2016

- **BARRIERS TO IMPLEMENTING LOW-CARBON TECHNOLOGIES** *CLIMATE CHANGE ECONOMICS*
Gillingham, K., Sweeney, J.
2012; 3 (4)
- **Market Failure and the Structure of Externalities** *Harnessing Renewable Energy in Electric Power Systems*
Gillingham, K., Sweeney, J.
edited by Moselle, B., Padilla, J., Schmalensee, R.
RFF Press.2010: 1
- **Market Failure and the Structure of Externalities** *HARNESSING RENEWABLE ENERGY IN ELECTRIC POWER SYSTEMS: THEORY, PRACTICE, POLICY*
Gillingham, K., Sweeney, J., Moselle, B., Padilla, J., Schmalensee, R.
2010: 69-91
- **Learning-by-doing and the optimal solar policy in California** *ENERGY JOURNAL*
van Benthem, A., Gillingham, K., Sweeney, J.
2008; 29 (3): 131-151
- **The California Electricity Crisis.**
Sweeney, James, L.
Hoover Institution Press. Stanford California..2002
- **Environmentally Significant Consumption: Research Directions**
edited by Stern, Paul, C., Ruttan, Vernon, W., Socolow, Robert, H.
National Academy Press, Washington, D.C..1997
- **Economics of Depletable Resources: Market Forces and Intertemporal Bias** *Review of Economic Studies, Reprinted in The Economics of Exhaustible Resources*
Sweeney, J.
edited by Heal, G.
Edward Elgar Publishing, Ltd., London.1993: 125–141
- **Economic Theory of Depletable Resources: An Introduction** *Chapter 17 in Handbook of Natural Resource and Energy Economics*
Sweeney, J.
North Holland.1993: 1
- **Handbook of Natural Resource and Energy Economics**
edited by Kneese, A., V., Sweeney, James, L.
North Holland.1993
- **Macroeconomic Impacts of Energy Shocks**
edited by Hickman, Bert, G., Huntington, H., Sweeney, J.
North Holland.1987
- **New Car Efficiency Standards and the Demand for Gasoline** *in Advances in the Economics of Energy and Resources: The Structure of Energy Markets*
Sweeney, J.
edited by Pindyck, R.
JAI Press, Inc., Greenwich, Connecticut.1979: 105–133
- **ECONOMICS OF DEPLETABLE RESOURCES - MARKET FORCES AND INTERTEMPORAL BIAS** *REVIEW OF ECONOMIC STUDIES*
Sweeney, J. L.
1977; 44 (1): 125-141
- **QUALITY, COMMODITY HIERARCHIES, AND HOUSING MARKETS** *ECONOMETRICA*
Sweeney, J. L.
1974; 42 (1): 147-167

- **Impact of real-time pricing and residential load automation on distribution systems** *ENERGY POLICY*
Arlt, M., Chassin, D., Rivetta, C., Sweeney, J.
2024; 184
- **Transport and Energy Research A Behavioral Perspective Foreword by Prof. James L. Sweeney** *TRANSPORT AND ENERGY RESEARCH: A BEHAVIORAL PERSPECTIVE*
Sweeney, J. L., Zhang, J.
2020: XVII-XIX
- **Evaluation of a proposal for reliable low-cost grid power with 100% wind, water, and solar** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Clack, C. M., Qvist, S. A., Apt, J., Bazilian, M., Brandt, A. R., Caldeira, K., Davis, S. J., Diakov, V., Handschy, M. A., Hines, P. H., Jaramillo, P., Kammen, D. M., Long, et al
2017; 114 (26): 6722–27
- **Recent trends in power system reliability and implications for evaluating future investments in resiliency** *ENERGY*
Larsen, P. H., LaCommare, K. H., Eto, J. H., Sweeney, J. L.
2016; 117: 29-46
- **Barriers to Implementing Low Carbon Technologies** *Climate Change Economics*
Gillingham, K., Sweeney, J.
World Scientific Publishing Company.2012: 1
- **Defining a Standard Metric for Electricity Savings** *Conference on Physics of Sustainable Energy II - Using Energy Efficiently and Producing It Renewably*
Koomey, J., Akbari, H., Blumstein, C., Brown, M., Brown, R., Budnitz, R., Calwell, C., Carter, S., Cavanagh, R., Chang, A., Claridge, D., Craig, P., Diamond, et al
AMER INST PHYSICS.2011
- **Climate Speculations** *Review of Climatopolis: How Our Cities Will Thrive in the Hotter Future, Stanford Social Innovation Review.*
Sweeney, J., Kahn, Matthew, E.
2011
- **SOLAR ISSUES** *TECHNOLOGY REVIEW*
Arent, D., Sweeney, J.
2010; 113 (5): 8-8
- **Defining a standard metric for electricity savings** *ENVIRONMENTAL RESEARCH LETTERS*
Koomey, J., Akbari, H., Blumstein, C., Brown, M., Brown, R., Calwell, C., Carter, S., Cavanagh, R., Chang, A., Claridge, D., Craig, P., Diamond, R., Eto, et al
2010; 5 (1)
- **Allocating Emissions Allowances Under a California Cap-and-Trade Program: Recommendations to the California Air Resources Board and California Environmental Protection Agency from the Economic and Allocation Advisory Committee** *California Air Resources Board.*
Adams, J., Arroyo, V., Barger, M., Boyce, James, K., Burtraw, D., Bushnell, J., Sweeney, J. L.
2010
- **Liquid Transportation Fuels from Coal and Biomass: Technological Status, Costs, and Environmental Impact.) America's Energy Future Panel on Alternative Liquid Transportation Fuels** *America's Energy Future Panel on Alternative Liquid Transportation Fuels; National Academy of Sciences; National Academy of Engineering; National Research Council.*
Sweeney, J.
National Academy Press, Washington, D.C..2009: 1
- **America's Energy Future: Technology and Transformation. Committee on America's Energy Future** *National Academy of Sciences; National Academy of Engineering; National Research Council.*
Sweeney, J.
National Academy Press, Washington, D.C..2009: 1
- **Low Carbon Growth: Our Ethical Responsibility** *Development Outreach*
Sweeney, J.
2008
- **Analysis of Measures to Meet the Requirements of California's Assembly Bill 32** *Precourt Energy Efficiency Team*
Sweeney, J.

2008

- **Deconstructing the Rosenfeld Curve** *Anant Sudarshan and James Sweeney*
Sweeney, J.
2008
- **California Action Plan for Transportation Energy Security.** *California Strategic Transportation Energy Partnership. CalStart*
Sweeney, J.
2007
- **Hydrogen for light-duty vehicles: opportunities and barriers in the United States** *HUMAN-INDUCED CLIMATE CHANGE: AN INTERDISCIPLINARY ASSESSMENT*
Sweeney, J. L., Schlesinger, M. E., Kheshgi, H. S., Smith, J., DeLaChesnaye, F. C., Reilly, J. M., Wilson, T., Kolstad, C.
2007: 198-215
- **Prospective Evaluation of Applied Energy Research and Development at DOE (Phase Two.)** *Committee on Prospective Benefits of DOE's Energy Efficiency and Fossil Energy R&D Programs (Phase Two).*
Sweeney, J.
National Academy Press, Washington, D.C..2007: 1
- **Hydrogen for Light Duty Vehicles: Opportunities and Barriers in the United States** *Chapter 17 in Human-Induced Climate Change: An Interdisciplinary Assessment*
Sweeney, J.
edited by Schlesinger, M.
Cambridge University Press.2007: 1
- **California Electricity Restructuring, the Crisis, and its Aftermath** *Chapter 10 in Electricity Market Reform: An International Perspective*
Sweeney, J.
edited by Shiohanshi, P., Pfaffenberger, W.
Elsevier.2006: 1
- **National Security Consequences of U.S. Oil Dependency.** *Independent Task Force Report*
Sweeney, J.
Council on Foreign Relations.2006: 1
- **An Energy Policy for the Twenty-first Century** *Hoover Digest*
Sweeney, J.
2005: 33-36
- **Prospective Evaluation of Applied Energy Research and Development at DOE (Phase One): A First Look Forward.** *Committee on Prospective Benefits of DOE's Energy Efficiency and Fossil Energy R&D Programs (Phase One.)*
Sweeney, J.
National Academy Press, Washington, D.C..2005: 1
- **The Hydrogen Economy: Opportunities, Costs, Barriers, and R&D Needs** *Committee on Alternatives and Strategies for Future Hydrogen Production and Use.*
Sweeney, J.
National Academy Press, Washington, D.C..2004: 1
- **Natural Resource Economics** *The Social Science Encyclopedia*
Sweeney, J.
Routledge, London.2004; 3: 1
- **Regulating Fuel Economy: Corporate Average Fuel Economy Standards** *Policy Brief, Stanford Institute for Economic Policy Research*
Sweeney, J.
2003
- **The California Electricity Crisis: Lessons for the Future** *The Bridge*
Sweeney, J.
2002: 23-31
- **California Public Interest Energy Research: Independent PIER Panel Final Report** *Independent PIER Panel. California Council on Science and Technology*

Sweeney, J.
2001

- **Effectiveness and Impact of Corporate Average Fuel Economy (CAFE) Standards.** *Committee on Effectiveness and Impact of Corporate Average Fuel Economy (CAFE) Standards.*
Sweeney, J.
National Academy Press, Washington, D.C..2001: 1
- **Energy Research at DOE: Was It Worth It?** *Committee on Benefits of DOE R&D in Energy Efficiency and Fossil Energy.*
Sweeney, J.
National Academy Press, Washington, D.C..2001: 1
- **Energy Economics** *International Encyclopedia of the Social & Behavioral Sciences*
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edited by Smelser, Neil, J., Baltes, Paul, B.
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- **Tradable Fuel Economy Credits. Analysis and Text Extended from Chapter 5 of Impact and Effectiveness of Corporate Average Fuel Economy Standards**
Sweeney, J.
2001
- **California Public Interest Energy Research: Independent PIER Panel Report** *Independent PIER Panel. California Council on Science and Technology*
Sweeney, J., Kahn, Matthew, E.
2000
- **Trade and Industry Impacts of the Kyoto Protocol.**
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- **Agricultural Damage of Common Crops and Externalities Associated with Bread Consumption** *EES&OR Department Working Paper.*
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1997
- **Natural Resource Economics** *in The Social Science Encyclopedia*
Sweeney, J.
Routledge, London.1996: 1
- **Evaluation of the EPA's Proposal for Renewable Oxygenates** *Prepared for The American Petroleum Institute*
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1994
- **ENERGY EFFICIENCY - LESSONS FROM THE PAST AND STRATEGIES FOR THE FUTURE - COMMENT** *WORLD BANK ECONOMIC REVIEW*
Sweeney, J. L.
1993: 429-439
- **Potential Costs and Regulatory Burdens of the Energy Policy Act of 1992: Provisions for Alternative Fuel Vehicles. (Monograph)**
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- **Gasoline Taxes: An Economic Assessment** *Prepared for the Office of Technology Assessment, U.S. Congress*
Sweeney, J.
1993
- **Mandating a Transition to Alternative Transportation Fuels: Economic** *Environmental and Energy Security Implications*
Sweeney, J., Montgomery, D.
1992
- **The National Energy Modeling System** *Committee on the National Energy Modeling System, National Research Council*
Sweeney, J.
National Academy Press.1992: 1

- **Review of Transportation Fuels Analysis and Policy Recommendations in California Energy Commission:** *California Energy Plan*
Sweeney, J., Montgomery, D.
1992
- **Mandates for Alternative Fuels: A Policy Analysis** *Charles River Associates*
Sweeney, J., Montgomery, D.
1991
- **Oil Import Fees With Exemptions: An Empirical Examination** *Resources and Energy*
Sweeney, J.
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- **Fuels to Drive our Future** *Committee on Production Technologies for Liquid Transportation Fuels, Principal Author, Chapter 3 and Appendix D.*
Sweeney, J.
National Academy Press. 1990: 1
- **Production Costs for Alternative Liquid Transportation Fuels** *Methanol As An Alternative Fuel Choice: An Assessment*
Sweeney, J.
edited by Kohl, W.
The Johns Hopkins Foreign Policy Institute, Washington D.C.. 1990: 1
- **Price Oscillations in Oligopoly** *Center for Economic Policy Research Publication, Stanford California*
Sweeney, J., Comanor, W.
1990
- **OIL IMPORT FEES WITH EXEMPTIONS - AN EMPIRICAL-EXAMINATION** *RESOURCES AND ENERGY*
Sweeney, J. L.
1989; 11 (3): 215-239
- **Optimal Control and Time Consistent Equilibria in Dominant Firm/Competitive Fringe Dynamic Games**
Sweeney, J., del Sol, P.
1989
- **On Economic Policy Responses to Disruptions: A Reply to Harry Saunders** *The Energy Journal*
Sweeney, J., Hickman, B., Huntington, H.
1989; 10 (4): 189-198
- **Time Inconsistency and the Advantage of Not Committing: The Importer of an Exhaustible Resource** *Center for Economic Policy Research Working Paper, Stanford California*
Sweeney, J., del Sol, P.
1988
- **Price Asymmetry in the Demand for Energy** *Energy Demand Prospects & Trends*
Sweeney, J., Fenichel, D.
edited by Stevens, P.
Camelot Press Ltd. Southampton, Great Britain. 1987: 48-70
- **Changing World Oil Markets: What Should We Expect?** *Zeitschrift fur Energie Wirtschaft*
Sweeney, J.
1986: 73-74
- **Analyzing Impacts of Potential Tax Policy Changes on U.S. Oil Security** *The Energy Journal*
Sweeney, J., Boskin, M., J.
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- **THE RESPONSE OF ENERGY DEMAND TO HIGHER PRICES - WHAT HAVE WE LEARNED** *AMERICAN ECONOMIC REVIEW*
Sweeney, J. L.
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- **Energy Model Comparison: An Overview** *in Large-Scale Energy Models -- Prospects and Potential*

Sweeney, J.

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- **MODELING FOR INSIGHTS, NOT NUMBERS - THE EXPERIENCES OF THE ENERGY MODELING FORUM** *OMEGA-INTERNATIONAL JOURNAL OF MANAGEMENT SCIENCE*
Huntington, H. G., Weyant, J. P., Sweeney, J. L.
1982; 10 (5): 449-462
- **World Oil** *Energy Modeling Forum Working Group 6, Energy Modeling Forum*
Sweeney, J.
Stanford University, Stanford, California.1982: 1
- **The Relationship Between Energy Use and the Economy** in *Energy Independence for the United States, The Newport Foundation, 1981. Also published in U.S. Options for Energy Independence*
Sweeney, J., Kamrany, Nake, M.
Nake M. Kamrany, D. C. Heath & Co..1982: 1
- **Modeling For Insights, Not Numbers: The Experiences of the Energy Modeling Forum** *Omega*
Sweeney, J., Weyant, J., P., Huntington, H., G.
1982; 10 (5): 449-462
- **The U. S. Oil and Gas Supply** *Energy Modeling Forum Working Group 5. Energy Modeling Forum, Stanford University*
Sweeney, J.
1981
- **Energy Modeling Forum 5: U.S. Oil and Gas Supply** in *Energy Modeling III: Dealing with Energy Uncertainty*
Sweeney, J.
1981: 283–303
- **World Oil: Preliminary Results from the Energy Modeling Forum Study** *Kvartals Skrift*
Sweeney, J.
1981: 161-179
- **Aggregate Elasticity of Energy Demand** *principal author with EMF 4 Working Group members, The Energy Journal*
Sweeney, J.
1981; 2 (2): 37-75
- **The Energy Modeling Forum, an Overview** in *Validation and Assessment Issues of Energy Models*
Sweeney, J.
edited by Gass, S.
U.S. Department of Commerce/National Bureau of Standards Special Publication.1980: 65–96
- **U.S. Oil and Gas Supply Study**
Sweeney, J., Weyant, J., P.
1980
- **The Energy Modeling Forum: Past, Present, and Future** in *Energy Policy - The Global Challenge, Fall 1979, also in Energiemodelle für die Bundesrepublik Deutschland*
Sweeney, J., Weyant, J., P.
edited by Nemetz, P., N., Voss, A., Schmitz, K.
Institute for Research on Public Policy, Verlag TÜV Rheinland Köln, Spring.1980: 149–167
- **Energy Policies and Automobile Use of Gasoline** in *Selected Studies on Energy/Background Papers for Energy: The Next Twenty Years*
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Spring.1980: 93–125
- **Overview** in *Electric Load Forecasting: Probing the Issues with Models*
Sweeney, J.
EMF Report 3.1980: 5–15

- **Electric Load Forecasting: Probing the Issues with Models** *Energy Modeling Forum Working Group 3*
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Energy Modeling Forum, Stanford University, Stanford, California.1980: 1
- **Energy Problems and Policies** in *The Economy in the 1980's: A Program for Growth and Stability*
Sweeney, J.
Institute for Contemporary Studies, San Francisco, Spring.1980: 353–392
- **The Energy Modeling Forum: Past, Present, and Future** *Journal of Business Administration*
Sweeney, J., Weyant, J., P.
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- **Effects of Federal Policies on Gasoline Consumption** *Resources and Energy*
Sweeney, J.
1979; 2: 3-26
- **Energy Policy Models in the National Energy Outlook** *Management Science*
Sweeney, J., Hogan, W., W., Wagner, M., H.
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- **Structural/Econometric Modeling of Gasoline Consumption**
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- **Effects of Federal Policies on Gasoline Consumption** *Foresight: The Economic Impact of Energy Conservation*
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- **Optimal Growth with Depletable Resources** *Resources and Energy*
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- **Energy Regulation: Solution or Problem?** in *Options for U.S. Energy Policy*
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- **National Energy Outlook** *major contributor, directed development of supply/ demand/price forecasts, Federal Energy Administration*
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1976: 1
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Sweeney, J., Cato, D., B., Rodekohr, M., E.
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- **HOUSING UNIT MAINTENANCE AND MODE OF TENURE** *JOURNAL OF ECONOMIC THEORY*
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- **Toward Housing Market Dynamics**
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- **A Mathematical Model of Housing Markets**
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- **Project Independence Report** *Federal Energy Administration*
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- **COMMODITY HIERARCHY MODEL OF RENTAL HOUSING MARKET** *JOURNAL OF URBAN ECONOMICS*
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- **MODELING HOUSING MARKETS - COMMODITY HIERARCHIES IN A SPATIAL SETTING** *STANFORD JOURNAL OF INTERNATIONAL STUDIES*
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- **Modeling Housing Markets: Commodity Hierarchies in a Spatial Setting** *Stanford Journal of International Studies*
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- **Housing Unit Maintenance and the Mode of Tenure** *Journal of Economic Theory*
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- **Principles of Geographic Market Definition** *Manual on Antitrust Economics, Economics Committee Antitrust Division*
Sweeney, J.
American Bar Association...: 1
- **The Response of Energy Demand to Higher Prices: What Have We Learned?** *American Economic Review, also published in Global Energy Interactions*
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edited by Pachauri, R., K.
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- **Price and Quantity Change Decomposition for Aggregated Commodities** *in Aggregate Elasticity of Energy Demand*
Sweeney, J.
Energy Modeling Forum...: 1
- **Model Comparison for Energy Policy and Planning** *in Energy Policy Planning*
Sweeney, J.
: 1
- **The Theory and Practice of Energy Aggregation** *in Aggregate Elasticity of Energy Demand*
Sweeney, J., Borison, A., B., Wilson, T., F.
: 1
- **Resource Depletion, Research and Development and the Social Rate of Discount: A Commentary and Extension** *in The Rate of Return for Energy Investment*
Sweeney, J.
edited by Lind, R.

: 1

- **Energy Modeling Forum 4: Aggregate Elasticity of Energy Demand**

Sweeney, J., Hogan, W., W., Weyant, J., P.

- **Energy and Economic Growth: A Conceptual Framework**

Sweeney, J.

edited by Kursunoglu, B., Permuter, A.

1978, 1979, 1979, 1980