

Deborah Gordon

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Professional Experience

Author

Ongoing

- Smart Tax: Pricing Oil for a Safe Climate, Carnegie Endowment for International Peace (with Jessica Tuchman Mathews), June 2016
- Know Your Oil: Creating a Global Oil-Climate Index, Carnegie Endowment for International Peace (with A. Brandt, J. Bergerson, and J. Koomey), March 2015
- Transport Beyond Oil: Policy Choices for a Multimodal Future, Island Press, Edited volume (with D. Burwell), March 2013
- Global Ten: Managing the Unconventional Oil and Gas Bonanza, Carnegie Endowment for International Peace, Edited volume (with D. Buwell), January 2013
- Two Billion Cars, (with D. Sperling), Oxford University Press, publication January 2009; paperback with *Afterword*, April 2010
- Two Billion Cars, Chinese translation, Shanghai JiaotongUP, July 2011
- Steering a New Course: Transportation, Energy, and the Environment, (Washington, D.C.: Island Press), 1991, 236 pp. (textbook in University transportation policy courses)

Carnegie Endowment for International Peace

Director and Senior Associate, Energy and Climate Program

2010 to present

- Manage program staff in Washington and Beijing and a \$750k budget
- Oversee Global Oil Initiative to investigate the growing array of global oils and develop policies to manage new oils' energy, climate, environmental, and security challenges
- Develop *first-of-its-kind* Oil-Climate Index that rank global oils based on their lifecycle greenhouse gas emissions
- Analyze air quality-climate risks associated with oil development worldwide

Policy Consultant

Specializing in transportation, energy, and environmental policy

1996 to 2010

- Conducted policy analysis, design and development; strategic planning; feasibility studies; policy white papers; technical assistance, and policy advising on issues ranging from oil, innovative transport, energy and climate issues, clean vehicles, alternative fuels, fiscal measures, economic incentives, and new mobility options
- Clients included (partial listing), International Council on Clean Transportation, Hewlett Foundation; Energy Foundation, Union of Concerned Scientists, ClimateWorks,

National Commission on Energy Policy, National Transportation Policy Project,
California Energy Commission, Truman Security Project

Yale School of Forestry and Environmental Studies

Program Director/ Lecturer/ Senior Research Scholar

1996 to 2000

- Co-Directed the Yale Transportation and Environment Program, conducted applied research on transportation policymaking
- Designed and taught graduate seminar on transportation and the environment

Union of Concerned Scientists

Director of Transportation & Energy Programs/Senior Policy Analyst

1989 to 1996

- Supervised and directed staff of 14 professionals in four different U.S. locations and managed a program budget of \$1.5 million
- Delivered expert testimony and advice on transportation, environmental, and energy policy issues to government, non-profit, foundation, media, academia, and private sector
- Developed precedent-setting transportation policies including clean-car incentive programs, alternative fuels proposals, and intelligent transportation system criteria

Lawrence Berkeley Laboratory (U.S. Department of Energy)

Policy Analyst

1988 to 1989

- Created clean car *feebate* program
- Designed and analyzed a market incentive program to increase consumer demand for green motor vehicles and, under a grant from the U.S. Environmental Protection Agency; drafted model legislation (DRIVE+) in California which was passed by the State Legislature and has served as a model for developing *feebate* programs in other states and nations

Chevron U.S.A., Inc.

Chemical and Regulatory Engineer

1982 to 1987

- Served as principal negotiator for environmental mitigation strategies and permit conditions for major off-shore oil development
- Delivered public testimony, monitored regulatory developments, and advised Chevron staff to ensure environmental compliance

Education

University of California, Berkeley

Goldman School of Public Policy

Masters of Public Policy, 1989

Website, Articles, and Media Cites (selected)

- Carnegie Oil Initiative Webpage, ongoing catalogue of articles, events, blogs, and media appearances <http://carnegieendowment.org/specialprojects/CarnegieOilInitiative/>
- Carnegie Oil-Climate Index Webpage, ongoing catalogue of articles, events, blogs, and media appearances <http://carnegieendowment.org/specialprojects/OilClimateIndex/?lang=en>
- Carnegie Smart Tax Webpage
<http://carnegieendowment.org/specialprojects/PricingOilforaWarmingClimate/>
- Carnegie Road Through Paris Webpage
<http://carnegieendowment.org/specialprojects/TheRoadThroughParis/>
- The National Interest, *Oil's Place at the Climate Change Table*, (with Victoria Herrmann, The Arctic Institute), September 9, 2015
- Reddit AMA on the Road Through Paris, December 14, 2015,
<http://carnegieendowment.org/2015/12/13/road-through-paris-online-q-on-outcome-of-cop21-event-5109>
- Reddit AMA on the Oil-Climate Index, September 4, 2015,
https://www.reddit.com/r/askscience/comments/3j1wuc/askscience_ama_series_were_a_team_of_researchers/
- The International Economy Magazine, *Future Surprises that Could Shock the World*, September 14, 2016,
<http://carnegieendowment.org/2016/09/14/future-surprises-that-could-shock-world-pub-64581>
- The Hill, *Pricing Oil for a Safe Climate*, June 22, 2016,
<http://carnegieendowment.org/2016/06/22/pricing-oil-for-safe-climate-pub-63887>
- Pacific Standard, *California's Unspoken Oil Failure*, (with David Livingston), May 6, 2016,
<http://carnegieendowment.org/2016/05/06/california-s-unspoken-oil-failure-pub-63528>
- Huffington Post, *For the Sake of the Climate, We Need to Know What Kind of Oil the U.S. Is Going to Export*, January 20, 2016,
<http://carnegieendowment.org/2016/01/20/for-sake-of-climate-we-need-to-know-what-kind-of-oil-u.s.-is-going-to-export-pub-62524>
- The Hill Op Ed, *The Third Fossil Fuel in the Climate Conversation*, August 10, 2015
- Boao Review, *Creating an Oil-Climate Index: Key Lessons for Asian Policymakers*, July 31, 2015
- About Oil Magazine, *At the heart of OPEC: Strategies & reflections*, July 9, 2015
- The National Interest, *The Complexities of U.S. Oil Exports*, March 21, 2014
- CS Monitor, *Will California Frack: Not Without Oil*, January 18, 2014
- International Economy Magazine, *U.S. Energy Independence is Unlikely*, December 13, 2013
- Huffington Post, *The Third Carbon Age*, August 8, 2013
- Scientific American, *Fossil Fuels—A New Normal*, July 15, 2013
- The New York Times, *Let's Not Braise the Planet*, Mark Bittman, July 1, 2013 (linked report)

- The Hill, *Managing the New Oil Bonanza*, February 11, 2013
- Center for New American Security, *Read These Now: Energy & Climate Recommendations for the Second Term*, January 23, 2013
- Scientific American, *Navigating the New World of Oils*, January 15, 2013
- E&E TV, *The Future of Unconventional Oil in the United States*, May 2012
- Time Magazine, *There Will Be Oil—And That’s the Problem*, March 29, 2012
- European Financial Review, *Critical Crossroads*, forthcoming October 2011
- International Monetary Fund, F&D Magazine, *Quest in Search of Itself*, Book Review (Daniel Yergin, *The Quest*), September 2011
- NPR Interview, *To the Point, Carmegeddon*, July 15, 2011
- Politico, *Big Oil’s Slick Profit Day?* April 29, 2011
- C-Span Interview, *Washington Journal*, June 21, 2010
- Washington Post, *Big Oil Can’t Get Beyond Petroleum*, June 13, 2010
- World Bank blog, *Following China’s Lead Transforming Transportation*, June 7, 2009
- C-Span, Book TV, *After Words*, November 23, 2009
- Yale Environment 360, *Surviving Two Billion Cars: China Must Lead the Way*, March 5, 2009
- New York Times, Op Ed (with D. Sperling), *How High Gas Prices Can Save the Car Industry*, November 16, 2008

Publications (selected)

- *Getting Smart About Oil in a Warming World*, Carnegie Endowment for International Peace (with Jonathan Koomey, Adam Brandt, and Joule Bergerson), October 2016
- *Climate-Wise Choices in a World of Oil Abundance*, (with Adam Brandt, Mohammad Masnadi, Jacob Englander, Jonathan Koomey), Submitted to Science, September 2016
- *Energy Return on Investment (EROI) for Forty Global Oilfields Using a Detailed Engineering-Based Model of Oil Production* (with Brandt AR, Sun Y, Bharadwaj S, Livingston D, Tan E), PLoS ONE 10(12): e0144141. doi:10.1371/journal.pone.0144141, 2015
- *The Abundance of Oils in the Water-Stressed Rockies* (with Eugene Tan and Kate Garner), Carnegie Endowment, January 5, 2015
- *China’s Oil Future* (with Yevgen Sautin and Wang Tao), Carnegie Endowment, May 6, 2014
- *Texas’ Oil and Water Tightrope* (with Kate Garner), Carnegie Endowment, March 11, 2014
- *Mapping California’s Oil-Water Risks* (with Kate Garner), Carnegie Endowment, January 15, 2014
- *Uncovering Oils’ Unknowns* (with Chris Malins), Carnegie Endowment, June 2013
- *The Carbon Contained in Global Oils*, Carnegie Endowment, December 2012
- *Policy Priorities for Advancing the U.S. Electric Vehicle Market*, Carnegie Endowment, September 2012
- *Understanding Unconventional Oil*, Carnegie Endowment, May 2012
- *Driving Force: Energy and Climate Strategies for China’s Motorization* (with Yuhuan Zhang), Carnegie Endowment, April 2011

- *A Review and Comparative Analysis of Fiscal Policies Associated with New Passenger Vehicle CO₂ Emissions* (Contributing author), International Council for Clean Transportation, February 2011
- *Safe at 60*, Center for Auto Safety, 2011
- *The Role of Transportation in Driving Climate Disruption*, Carnegie Endowment for International Peace, December 2010
- *Tackling Our Oil Addiction: Reducing Dependency on Our Enemies*, Truman Project, October 2010
- *Driving Transportation Innovation*, Next10.org, November 2009
- *Managing Motorcycles*, International Council on Clean Transportation, 2009
- *Getting There Greener*, Union of Concerned Scientists, December 2008
- *Advance Passenger Transportation Technologies* (with D. Sperling), Journal of Transportation Technology, 2008
- *Sipping Fuel and Saving Lives: Optimizing Vehicle Safety and Fuel Economy Simultaneously*, (co-authored), William and Flora Hewlett Foundation, June 2007
- *Climate Change Mitigation: Findings of the IPCC Fourth Assessment Report*, (co-authored), Union of Concerned Scientists, IPCC Highlight Series, 2007
- *Passenger Vehicle CO₂ and Fuel Economy Standards: A Global Review* (co-authored), International Council on Clean Transportation, 2007
- *Fiscal Policies for Sustainable Transportation: International Best Practices*, In Studies on International Fiscal Policies for Sustainable Transportation, published in English and Chinese by the China Sustainable Energy Program, Packard Foundation, Hewlett Foundation, and the Energy Foundation, March 2005
- *Federal Oil Subsidies: How Can They Best Be Targeted?* National Commission on Energy Policy, April 2004
- *DRIVE+: Promoting Cleaner and More Fuel-Efficient Motor Vehicles Through a Self-Financing System of State Tax Incentives*, In Journal of Policy Analysis and Management, Volume 9, Number 3, 1990

Advisory Boards

- Transportation Research Board, Energy Committee, Appointed Member (1998 to 2004)
- National Research Council, Committee on Vehicle Inspection and Maintenance (1999 to 2001)
- National Research Council, Standing Committee to Review the Research Program of the Partnership for a New Generation of Vehicles, (1994 to 1996)
- American Academy of Arts and Sciences, *Avoiding the Collision of Cities and Cars* (1993)

Testimony and Addresses (selected)

- Briefings to U.S. Department of State, U.S. Department of Energy, U.S. Environmental Protection Agency, U.S. Congressional Committees, California Air Resources Board, California Energy Commission, Canadian Government, European Commission, World Economic Forum, International Energy Agency

- U.S. Congress, House Subcommittee on Energy and Power, December 11, 2014
- U.S. Congress, House Foreign Affairs Subcommittee on Terrorism, Nonproliferation, and Trade, April 2014
- Georgetown University, March 2014
- Kaist Business School (South Korea), *Cases in Green Finance* (MBA class), July 2016, July 2015 / July 2014/ June 2013/September 2013/ October 2011/October 2010
- Aspen Institute Energy Forum, June 2013
- Union of Concerned Scientists, Board of Directors, May 2013
- NORDEA Bank, March 2013
- East-West Center, February 2013
- World Energy Council, Berlin, Germany, September 2012
- U.S. Department of State, German Embassy, September 2012
- University of Virginia, Batten School of Leadership and Public Policy, April 2012
- Darden Business School, University of Virginia, *Car of the Future and Future of the Car* Conference, November 2010
- Carnegie Endowment for International Peace, *Transportation Driving Climate Disruption*, Keynote Speaker, December 2010
- Miller Center for Public Affairs, University of Virginia, Speaker Series April 2010
- World Bank, Washington, D.C., January 2009 and May 2009
- Transportation Research Board, Denver, Colorado, July 2009
- Virginia Festival of the Book, Charlottesville, VA, March 2009
- World Affairs Council, Washington, D.C., January 2009
- Rodman Engineering Fellowship Program, University of Virginia, Keynote Speaker 2008
- Advisory Council on Energy, National Conference of State Legislatures, December 1998
- Climate Action Plan, White House Policy Dialogue Advisory Committee, February 1995
- California Energy Commission, Testimony on Sustainable Transportation, 1994
- U.S. House of Representatives, Subcommittee on Energy and Power, March 1991

Awards and Fellowships

- University of California, Institute of Transportation Studies, Visiting Fellow (2001-2)
- Transportation Research Board's Fred Burggraf Award (1992)
- L.B.J. Congressional Fellow (1988)
- Tau Beta Pi (Engineering Honorary Society) (1981)