

Amber Mahone

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ENERGY AND ENVIRONMENTAL ECONOMICS, INC.

Senior Consultant

San Francisco, CA

2007 – Present

Ms. Mahone works in the areas of Energy and Climate Policy; Resource Planning; and Energy Efficiency and Demand Response. She has been a presenter at conferences focused on climate change, energy efficiency, and increased use of renewable energy. Her clients include the Bonneville Power Administration, California Public Utilities Commission, California Energy Commission, PG&E, British Columbia Transmission Corporation, and Hydrogen Energy International.

- Analyzed cost-effectiveness of, and resource potential for, energy efficiency, distributed generation, generator re-dispatch and demand response alternatives to a proposed transmission line in Bonneville Power Administration's service territory.
- Project manager for the economic analysis underlying the California Title 24 building standards.
- Part of team that developed an independent and publicly available report on "Meeting California's Long-Term Greenhouse Gas Reduction Goals." The report evaluated emission reduction options in all sectors of the California economy through the year 2050.
- Supported the California Public Utilities Commission in their Long-term Procurement Plan proceeding, including development of recommendations regarding the breadth and scope of the California Investor-Owned Utility long-term plans, as well as development of a 33 percent Renewables Portfolio Standard (RPS) implementation analysis in California.
- Performed analysis of California's electricity sector compliance with the state's Global Warming Solutions Act (AB 32) for the California Public Utilities Commission. This modeling work assessed the economic and emissions impacts of different greenhouse gas reduction strategies in the electricity sector, under consideration by state policymakers.

NATURAL RESOURCES DEFENSE COUNCIL (NRDC)

Intern, Climate Center

Washington, DC

Summer 2006

- Assisted NRDC in furthering national energy policies that are sustainable and climate friendly. Researched coal-to-liquid fuel technology, carbon sequestration and enhanced oil recovery.
- Researched and presented findings to NRDC staff on the energy intensity, pollution emissions and market conditions of polyvinyl chloride (PVC) production in China.

INTERNATIONAL MONETARY FUND (IMF)

Research Assistant, Policy Development and Review Department

Washington, DC

2003 - 2005

- Researched and wrote case study on macroeconomic impacts of aid inflows to Ethiopia as one of five case studies for IMF Board Paper. Created briefing material and wrote speeches for the IMF Spring and Annual Meetings, the G-8 Summit in Gleneagles, as well as other high profile international summits.

OPINION DYNAMICS CORPORATION*Research Assistant*

Cambridge, MA

Summer 2000

Assisted in survey writing, data analysis and drafting of reports on the efficacy of state-wide energy efficiency programs.

PLANNING AND CONSERVATION LEAGUE*Intern*

Sacramento, CA

Summer 2001

Awarded the Wellesley College Caroline Shaw Bell Stipend for research on economics. Prepared a comprehensive policy paper proposing more efficient use of public conservation lands in California.

LEADERSHIP*Contributing Editor**Journal of Public and International Affairs*

Princeton, NJ

2006 - 2007

*Conference Organizer**"Sustainable Development and Climate Change"*

October 20, 2006

Initiated, planned and executed, with two other graduate students, full-day conference at Princeton University. Raised over \$11,000 from University departments and programs.

Education

Princeton University

M.A., Public Affairs - Certificate in Science, Technology, and Environmental Policy

Princeton, NJ

June 2007

Wellesley College

*B. A., International Relations, minor in Economics
Summa Cum Laude*

Wellesley, MA

2003

Bard College, International Honors Program

Global Ecology Study Abroad Program in the United States, England, Tanzania, India, the Philippines and Mexico

Annandale-on-Hudson, NY

2001 - 2002

Citizenship

United States

Publications

1. Williams, J., A. DeBenedictis, R. Ghanadan, A. Mahone, J. Moore, W. Morrow III, S. Price, M. Torn, (2012) "The Technology Path to Deep Greenhouse Gas Emissions Cuts by 2050: The Pivotal Role of Electricity," *Science*, Vol. 335, 53 – 59.
2. Mahone, A., B. Haley, R. Orans, J. Williams, (2011) "Electric Vehicles and Gas-Fired Power: A Strategic Approach to Mitigating Rate Increases and Greenhouse Price Risk," *Public Utilities Fortnightly* (Dec 2011) 42-50, available at: http://www.fortnightly.com/exclusive.cfm?o_id=918
3. Orans, R., F. Pearl, A. Mahone, (2010) "A Modest Proposal: After Cap and Trade," *The Brookings Institute papers*, available at: http://www.brookings.edu/papers/2010/0628_cap_trade_pearl.aspx
4. Mahone, A., C.K. Woo, J. Williams, I. Horowitz (2009) "Renewable Portfolio Standards and Cost-Effective Energy Efficiency Investment," *Energy Policy*, 37(3), 774-777.

Conference Papers and Presentations

1. (2011) "Emerging Programs & Policies in Customer Information and Behavior," *Behavior, Energy and Climate Change Conference*, Nov. 30 – Dec. 2, 2011, Washington DC.
2. (2011) "Carbon Reductions and Impacts on Electric Utilities," *Southeast Electricity Exchange IRP Task Force Meeting*, September 20, 2011, Charlotte, NC.
3. (2011) "Ratepayer risk, Greenhouse Gas Emissions and Electric Vehicles," *Advanced Workshop in Regulation and Competition, 24th Annual Western Conference*, June 16, 2011, Monterey, CA.
4. (2010) "Getting to 2050: Pathways to deep reductions in GHG emissions," *WestCARB Annual Business Meeting*, October 19, 2010, Sacramento, CA.
5. (2009) "Energy Efficiency in 2050: Long-Term Greenhouse Gas Reduction Targets," *ACEEE'S Fifth National Conference on Energy Efficiency as a Resource*, September 27 – 29, 2009, Chicago, Illinois.
6. (2009) "Long-term Greenhouse Gas Reductions in California: Vehicle Electrification and Electricity Generation in 2050," *32nd IAEE International Conference: Energy, Economy, Environment: The Global View*, June 21 – 24, 2009, San Francisco, California.
7. (2008) "Energy Efficiency's Impact on California's Renewable Energy Development," *ACEEE Summer Study on Energy Efficiency in Buildings*, August 17 – 22nd, 2008, Pacific Grove, CA.