

Amy Guy Wagner

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ENERGY AND ENVIRONMENTAL ECONOMICS, INC.

Senior Consultant

San Francisco, CA

2009 – Present

Ms. Wagner leads work in the Emerging Technology Strategy practice area. The work leverages regulatory and policy analysis for new technology companies, independent power producers, and investors. Her clients include BrightSource Energy, SunEdison, Electric Power Research Institute (EPRI), Solar Millennium, Morrison Foerster, Alion, the California Public Utilities Commission, and Hawaiian Electric Co. As a senior consultant, Ms. Wagner has:

- Provided utility valuation for several renewable developers for their respective contract negotiations, procurement strategy and technology development.
- Provided strategic transmission advice regarding siting and timing of deliverability upgrades for developer project pipelines. Completed curtailment risk analysis for equity and debt investors.
- Produced levelized cost models to compare technologies for competitive analysis and reviewed projections for cost reductions. Provided comparative analysis of relative value to the utility.
- Partnered with Morrison Foerster to create public energy seminars to share results of E3's public projects, insights into long term planning, development challenges for renewable generation, utility valuation and business models, and PHEV and electric vehicle adoption.
- Led E3 team to assist Hawaiian Electric Company (HECO) in developing a Feed in Tariff for small scale wind, solar, CSP and in-line hydro generation. Facilitated a public stakeholder process with environmental organizations, renewable developers, government officials and utility management team.
- Co-led a strategic planning session with Hawaiian Electric Company to pursue a long term vision of oil independence.
- Assisted in development of clean energy project Pro Forma models to assist HECO in evaluating solar and wind projects. Participated in the high level joint presentation to management describing the final version of each model.
- Assisted in the energy storage market analysis and gap analysis for EPRI of utility applications within the electric value chain which links wholesale markets to distributed energy storage applications.
- Participated in creation for the CPUC of a cost-effectiveness assessment and the tools to track the progress of the California Solar Initiative (CSI) and other distributed generation programs.

CALERA CORPORATION

Manager, Business Development

Los Gatos, CA

8/2008-10/2008

- Worked with management team on corporate strategic development and pilot plant siting for potential new carbon sequestering cement product.
- Work included understanding carbon markets, negotiation with power generator partners and financial modeling for project finance.

HDR INC.*Energy Project Manager*

San Francisco, CA

2005-2007

- Consulting for local governments, developers, businesses and international organizations providing program management and energy consulting services for a wide range of projects.
- Projects included energy conservation ordinances, long-term energy planning, green building design, energy audits, rate schedule optimization, and wind energy assessments.
- Worked with senior management on climate solutions services, marketing and sustainable business strategy.
- Coordinated with subcontractors and acted as main client contact.

UNION OF CONCERNED SCIENTISTS*MAP Fellow*

Cambridge, MA

Summer/Fall 2004

- Analyzed the potential and economic potential for renewable production of hydrogen in the U.S.
- Resulting analysis used to inform research and development funding of various hydrogen production pathways.

NATURAL RESOURCES DEFENSE COUNCIL*MAP Fellow*

New York, NY

Summer 2003

- Co-authored a report comparing the health impacts associated with proposed emissions regulations in NY. Report was used to influence the policy design on NY emissions standards.
- Researched the impact of reducing electricity sales, due to energy efficiency or on-site generation, on utility revenues and profits. Work was sued in the NY decoupling procedure.

PRECOURT INSTITUTE FOR ENERGY EFFICIENCY*Research Assistant*

Stanford, CA

2007-2008

Managed a research team that developed an economy-wide GHG cost curve to determine the marginal cost of carbon under AB32. Other research looks at intersection of corporate strategy and technological innovation with energy and climate policy. In addition, research explored venture capital clean tech portfolios to analyze relative risk related to energy and climate policy uncertainties. Research looked at real option value of diversification as a method to reduce policy risk.

GLOBAL CLIMATE AND ENERGY PROGRAM*Research Assistant*

Stanford, CA

2003-2004

The research, conducted with the guidance of Professor Sweeney, examined the various potential production pathways to fuel a future hydrogen infrastructure and strategic research and development expenditures.

PROGRAM ON ENERGY AND SUSTAINABLE DEVELOPMENT*Intern*

Stanford, CA

2002

Researched the evolution of demand side management programs in the electricity sector and the development of demand response programs under competitive electricity markets.

Education

Stanford University

M.S. Management Science & Engineering (Policy & Strategy)

M.S. Earth Systems (Energy Policy Focus)

B.S. Earth Systems

Palo Alto, CA

2008

2004

2003

Citizenship

United States