Nicolai Schlag

101 Montgomery Street, Suite 1600, San Francisco, CA 94104 415.391.5100
nick@ethree.com

ENERGY AND ENVIRONMENTAL ECONOMICS, INC. San Francisco, CA
Consultant July 2009 – Present

Mr. Schlag's work at E3 is focused in the practice areas of Renewables and Emerging Technology, Resource Planning, and Energy Efficiency and Demand Response. He has worked for clients including the California Public Utilities Commission, the Bonneville Power Administration, and the California Air Resources Board. As a consultant with E3, Mr. Schlag has:

- Provided supporting analysis to the California Air Resources Board during its 33% RES Rulemaking on the economic impacts and cost to California ratepayers of potential policies regarding the use of Tradable Renewable Energy Credits (TRECs) to meet utility renewable energy targets by 2020.
- Created a screening tool for non-wires alternatives to new transmission lines for the Bonneville Power Administration (BPA) that evaluates the cost-effectiveness of a variety of energy efficiency, demand response, and distributed generation measures and develops a strategy to defer the construction of new transmission investments driven by load growth.
- Developed a methodology to evaluate time- and location-dependent avoided costs that has been used to evaluated the cost-effectiveness of utility demand response programs, the California Solar Initiative and Net Energy Metering; the approach has also been adapted for use in the Title 24 Building standards.
- Performed a cost-effectiveness analysis of the proposed High-Plains Express transmission line—a proposed high-voltage line linking the Front Range with Arizona—for TransElect, Inc., and the participant utilities and developers associated with the project.

STANFORD UNIVERSITY Palo Alto, CA
Teaching Assistant 2008-2009

Assisted students with coursework in engineering classes related to energy efficiency, electric power, and meteorology. Facilitated experiments in the Renewable Energy Laboratory.

ROCKY MOUNTAIN INSTITUTE Boulder, CO
Fellow Summer 2008

- Conducted research on the energy efficiency potential in residential, commercial, and industrial sectors of the United States as part of the Next Generation Utilities project
- Contributed to a report on the economic efficiency potential in the residential sector

STOCKHOLM ENVIRONMENT INSTITUTE Stockholm, Sweden
Research Intern Summer 2007

- Studied clean cooking fuels in Sub-Saharan Africa. Produced a working paper on the market barriers to clean cooking fuels.

STABLE ISOTOPE LABORATORY Stanford, CA
Research Assistant 2006-2007

- Assisted lab manager and graduate students on a project investigating climate records based on stable isotope concentrations in coral samples

Education

Stanford University Palo Alto, CA
M.S., Atmosphere and Energy (CEE) 2009

Stanford University Palo Alto, CA
B.A., Earth Systems (Energy Science and Technology) 2008

Honors and Awards -

MAP Sustainable Energy Fellowship: Three month fellowship sponsored by MAP Royalty, Inc. to work at the Rocky Mountain Institute, 2008

Phi Beta Kappa: Inducted Junior Year, 2007

Donald Kennedy Environmental Fellowship: Awarded fellowship through Stanford in Government to work with Stockholm Environment Institute, Summer 2007

Citizenship

United States