

Lakshmi Alagappan

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

415.391.5100

ENERGY AND ENVIRONMENTAL ECONOMICS, INC.

San Francisco, CA

Director

Ms. Alagappan joined E3 in 2008 and her work has focused on the long-term resource and transmission planning and asset valuation practice areas. She works extensively with regulatory agencies and transmission developers on improving the transmission system planning practices to accommodate recent renewable energy goals adopted through state policy in the Western and Eastern Interconnections. In addition to her transmission planning work, she conducts renewable integration assessments and provides market valuation and strategy analysis for developers, utilities, and government agencies. Her recent clients include TransCanyon, New York Joint Utilities, Hunt Power, NARUC, Sempra Energy, AltaLink, and the World Bank. Among the many projects worked on, Ms. Alagappan has:

- Led the benefits analyses for two competitively solicited high-voltage transmission projects, including the first economically driven transmission project in California, that were approved by the California ISO
 - Delaney-Colorado River 500kV transmission project in CAISO's 2013-2014 TPP
 - Gates-Gregg 230kV transmission project in CAISO's 2012-2013 TPP
- Led a market assessment for new transmission in New York under need to meet New York's Clean Energy Standard
- Co-led a technical and regulatory support consultancy for the National Association of Regulatory Utility Commissioners' (NARUC) partnership with India's CERC on international best practices for renewable energy regulation to help integrate large scale renewable development
- Developed a roadmap for a group of utilities looking to transition towards integrating higher penetrations of distributed energy resources
- Performed market valuation for energy storage technologies and analyzed the regulatory framework under which they could participate in wholesale energy markets in the U.S.

ENERGY AND ENVIRONMENTAL ECONOMICS, INC.

San Francisco, CA

Intern

Summer 2007

- Researched transmission interconnection and service policies for wind generators in North America.
- Research required extensive reading of government orders (particularly from the Federal Energy Regulatory Commission)

NATURAL RESOURCES DEFENSE COUNCIL (NRDC)

AIR AND ENERGY DIVISION

MAP Sustainable Energy Fellow

Washington, D. C.

Summer 2006

- Helped create a campaign to endorse oil savings policy in a road tour through the Midwest.

- Wrote a report on U.S. state oil intensities as a measure of economic vulnerability.

CONSUMER ENERGY COUNCIL OF AMERICA (CECA)

Energy Research and Policy Intern

Washington, D. C.

Summer 2005

- Helped with writing and researching white papers for CECA's Fuels and Technologies Forum.

Education

Stanford University

M. S. Civil and Environmental Engineering

Atmosphere/Energy Program

Palo Alto, CA

June 2008

Stanford University

B. A. Economics/Minor in Human Biology

Honors in Environmental Science, Technology and Policy

Palo Alto, CA

June 2007

Citizenship

United States

Refereed Papers

1. Alagappan, L., C.K. Woo, R. Orans (2011) "What Drives Renewable Energy Development?" *Energy Policy*, 39:9, 5099-5104.