

Andrew DeBenedictis

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ENERGY AND ENVIRONMENTAL ECONOMICS, INC.

Senior Associate

San Francisco, CA

2008 – Present

Mr. DeBenedictis' work at E3 is focused in the areas of Renewables and Emerging Technology and Cost of Service and Rate Design. He has worked on projects for British Columbia Hydro (BCH), the California Public Utilities Commission (CPUC), Lower Valley Energy (LVE), and Lawrence Berkeley National Laboratory (LBNL). As a senior associate, Mr. DeBenedictis supports projects involving price benchmarking; surveying PV production costs; and data collection, manipulation, and presentation related to the modeling of future emissions scenarios.

BOWDOIN COLLEGE

PHYSICS AND ASTRONOMY DEPARTMENT

Fall 2007, Spring 2008

String Theory Research

Brunswick, ME

- Self-taught Mathematica programming language.
- Created computer programs to calculate parameters for and investigate various string theory configurations.
- Wrote a final report using the LaTeX typesetting system, presented the project to peers and professors.

MICHIGAN STATE UNIVERSITY

RESEARCH EXPERIENCE FOR UNDERGRADUATES (REU)

Thin-film Solar Cell Modeling Research

East Lansing, MI

Summer 2007

- Self-taught Fortran programming language.
- Created a computer program to model bulk-heterojunction polymer solar cells in order to optimize cell efficiency.
- Wrote a final report using the LaTeX typesetting system.
- Presented the project to peers, professors, and graduate students.

Education

Bowdoin College

B. A. Physics

Brunswick, ME

May 2008

Sarah and James Bowdoin Scholar (Dean's List) 2004-2005, 2005-2006, 2007-2008

Magna Cum Laude

Phi Beta Kappa

SIT Spain: Intensive Language and Culture Program, Spring 2007

Citizenship

United States

Refereed Publications

1. Williams, J., A. DeBenedictis, R. Ghanadan, A. Mahone, J. Moore, W. Morrow, S. Price, M. Torn (2012) "The Technology Path to Deep Greenhouse Gas Emissions Cuts by 2050: The Pivotal Role of Electricity," *Science*, 335:6064, 53-59.
2. Woo, C.K., I. Horowitz, A. Olsen, A. DeBenedictis, D. Miller, J. Moore, (2011) "Cross-hedging and forward-contract pricing of electricity in the Pacific Northwest," *Managerial and Decision Economics*, 32, 265-279.
3. DeBenedictis, A., D. Miller, J. Moore, A. Olson, C.K. Woo (2011) "How Big is the Risk Premium in an Electricity Forward Price? Evidence from the Pacific Northwest," *Electricity Journal*, 24:3, 72-76.
4. DeBenedictis, A., T.E. Hoff, S. Price, C.K. Woo, (2010) "Statistically adjusted engineering (SAE) modeling of metered roof-top photovoltaic (PV) output: California evidence," *Energy*, 35:10, 4178-4183.
5. Orans, R., C.K. Woo, B. Horij, M. Chait and A. DeBenedictis (2010) "Electricity Pricing for Conservation and Load Shifting," *Electricity Journal*, 23:3, 7-14.