

DANIEL SANCHEZ

Energy and Resources Group
University of California Berkeley
Berkeley, CA 94720-3050

Cell: 215.593.4493
dansanch01@gmail.com
<http://erg.berkeley.edu/people/sanchez-daniel/>

An engineer and energy systems analyst working to promote just and effective climate policy

Education

- Ph.D. Candidate, Energy and Resources*, University of California Berkeley (2013- Present)
Research Interests: bioenergy, climate policy, technology commercialization, optimization, carbon capture and sequestration, quantitative public policy analysis
Researcher, Renewable and Appropriate Energy Laboratory (RAEL). PI: Daniel M. Kammen
Graduate Student Researcher, Energy Biosciences Institute (EBI). PI: Hanna Breetz
Graduate Student Instructor, Climate Policy and Politics (Spring 2015). Dr. Danny Cullenward
- M.S., Energy and Resources*, University of California Berkeley (2011- 2013)
- B.S.E., Chemical and Biomolecular Engineering*, School of Engineering & Applied Science, University of Pennsylvania
Graduated Magna Cum Laude. Minor in Mathematics (2006- 2010)
- Scholarships and Awards (Graduate)
National Science Foundation Graduate Research Fellowship Program (2012-2016)
Chancellor's Graduate Diversity Fellowship, University of California Berkeley (2011-2016)

Extracurricular Activities

- Co-President*, Berkeley Energy and Resource Collaborative (BERC) (2011-2014)
Led 3000 member student energy organization; managed executive and leadership team
Personally fundraised over \$100k for operating budget

Research/Work Experience

- Young Summer Scholar*, Ecosystem Services and Management Group, International Institute for Applied Systems Analysis (IIASA), Vienna, Austria (Summer 2015)
- Research Volunteer*, NextGen Climate America (December 2014 – Present)
- Technology to Market Summer Scholar*, Advanced Research Projects Agency-Energy (ARPA-E) (Summer 2013)
Conducted market research and economic analysis of natural gas exploration and production technology, synthetic biotechnology, and renewable fuels to inform program development
- Climate Policy Research Intern*, Division of Ratepayer Advocates, CA PUC (Summer 2012)
Lead policy and economic analysis, report drafting, lobbying, and public communication on issue of biogas development for California Public Utilities Commission
- Policy Associate*, Capital Access Program, Green For All (2010- 2012)
Coordinated business development program for national environmental nonprofit. Portfolio included business coaching, workforce development, market research, and hosting of five national events
- Energy and Environmental Policy Intern* and Special Advisor, Center for American Progress (Summer 2009)
Researched with senior fellows at the Center on international climate policy, carbon capture and storage (CCS), nuclear power, Chinese politics, and economic competitiveness in clean energy

Selected Publications

- D.L. Sanchez, J.H. Nelson, J. Johnston, A. Mileva, D. Kammen. "Biomass Can Enable Carbon-negative Power Systems Across Western North America." *Nature Climate Change*, 5, 230–234 (2015).
- D.L. Sanchez. "Blessing, with Menace?" *Science* Vol. 345. No 146. doi:10.1126/science.1256191
- D.L. Sanchez, D.S. Callaway. "Optimal Scale of Bioenergy with Carbon Capture and Storage (BECCS) Facilities." Submitted to *Biomass and Bioenergy*.
- M. Bomberg, D.L. Sanchez, T. Lipmann. "Optimizing Fermentation Process Miscanthus-to-Ethanol Biorefinery Scale under Uncertain Conditions" *Environ. Res. Lett.*, 9, 064018 (2014).