

JESSIE L. KNAPSTEIN

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EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY

Energy & Resources Group, *Master of Science*

Goldman School of Public Policy, *Master of Public Policy*

2016 recipient of Honorable Mention National Science Foundation GRFP

Thesis: Renewable Energy Technology Learning Curves and Policy Application

Berkeley, CA

May 2017

UNIVERSITY OF FLORIDA

Warrington School of Business, *Bachelor of Arts in Business Administration, Minor in Physics*

Florida Bright Futures National Merit Scholar

Bioenergy & Sustainable Technology Society

Gainesville, FL

2011

PROFESSIONAL EXPERIENCE

PACIFIC GAS AND ELECTRIC COMPANY (PG&E)

Expert Analyst, Climate Resilience and Climate Policy & Analysis

- Support PG&E's efforts to identify, quantify, and manage risks related to climate change that impact PG&E's business and communities.
- Conduct technical, economic and policy assessment of energy and environmental regulation
- Engage with internal and external stakeholders to conduct analysis and develop strategies

San Francisco, CA

June 2017-Present

NATURAL RESOURCES DEFENSE COUNCIL (NRDC)

Energy Policy Fellow

- Catalog and summarize building decarbonization regulations and legislation across the US
- Work with CA policymakers & practitioners to diagnose legislative and regulatory path forward for electrification of buildings in CA

San Francisco, CA

September 2016-May 2017

THE CALIFORNIA PUBLIC UTILITIES COMMISSION (CPUC)

Graduate Student Researcher

- Analyze internal and utility GHG tracking and compliance under AB 32
- Analyze self-generation incentive program (SGIP) to incentivize distributed energy resource integration & GHG emissions reduction

San Francisco, CA

January 2016-June 2016

EDISON ELECTRIC INSTITUTE

Research Assistant

- Write issue briefs & white papers on topics of interest for IOU members including: flexible generation/capacity resources, advanced metering infrastructure deployments & uses, & state electric efficiency regulatory frameworks

Washington, DC

May 2015- August 2015

BERKELEY ENERGY & RESOURCES COLLABORATIVE (BERC)

President (Prior VP of Events & Programs)

- Manage exec team of 8 (who manage team of 55) & budget of \$160k to conduct events, programs, fundraising, & conferences.
- VP of Events & Programs: Manage team of 10 & budget of \$60k to: Conduct energy/resource related events and manage consulting program & elementary and high school STEM outreach program

Berkeley, CA

January 2015- May 2017

CENTRO MARIO MOLINA

Energy & Climate Policy Consultant

- Advise in the creation & implementation of an RPS/REC market under the 2014 Mexican Energy Reform

Berkeley, CA

December 2014- May 2015

US DEPARTMENT OF ENERGY, Office of Energy Efficiency & Renewable Energy

Energy Analyst

Building Technologies Office: Commercial Buildings & Energy Efficient Emerging Technologies

- Buildings Performance Database (Assistant Manager) – Manage platform rollout, stakeholder engagement, marketing, & education. Recruit data contributors in city/state/federal governments, private companies, & allied institutes/organizations.
- Better Buildings Case Competition (Manager) – Manage 6 annual innovative market solutions teams with a budget of \$40K.
- Building Energy Data Exchange Specification- Support finalization of specification standardizing energy terms
- Building Innovators Program (Manager) - Manage 5 emerging technology projects annually with a budget of \$400K.
- Small Business Innovation Research - Manage topic drafting, peer review, proposal selection, & funding
- Regional Energy Efficiency Organization Liaison- Manage deliverables of work under MOU with REEOs
- Funding Opportunity Announcement - Manage topic drafting, peer review, proposal selection, & funding
- Commercial Buildings Resource Database (Manager)- Review/edit market facing resources & approve publication

Washington, DC

June 2012-September 2014

US HOUSE OF REPRESENTATIVES, Congressman Ben Ray Luján

Energy & Environment Intern

- Wrote legislative reports for senior staff: “Grid Modernization in New Mexico” & “Opportunities in Solar Energy Zones”
- Attended & summarized all hearings related to energy, environment, science, & technology

Washington, DC

February 2012-June 2012

SCOPEINSIGHT/NEWFORESIGHT

Operations Assistant

- Develop international market-research database & commercialization plan for a proprietary platform to align sustainable farms with interested funders, banks, & NGOs
- Coordinate project proposals with Kenyan office to tap several million in federal funding
- Supply chain sustainability consulting for cocoa (Nestle, Hershey’s, Mars), cut flower, & fish industries

Utrecht, The Netherlands

October 2011-March 2012

CARBONSOLUTIONS

GHG Accounting Intern

- Arrange offset projects with Neutral Gator. Community & residential retrofit support. Managed the offset of the entire football season including travel & accommodations of >90,000 attendees
- Design, script & market continuing education certificate courses: Greenhouse Gas Accounting & Sustainable Building Materials

Gainesville, FL

January 2011-October 2011

GAINESVILLE REGIONAL UTILITIES

Finance Intern

- Assist in roll out of feed in tariff program & manage/track assets

Gainesville, FL

December 2009-May 2010

ACADEMIC APPOINTMENTS

UC BERKELEY, Renewable & Appropriate Energy Laboratory (RAEL)

Graduate Student Researcher

- California Energy Commission grantee: Climate Adaptation and Risk Planning for Investor Owned Utilities
- Poll IOU, ISO, and CCA stakeholders on climate change risk and adaptation practices for grid infrastructure.

Berkeley, CA

January 2016-May 2017

UC BERKELEY, Energy & Civilization

Graduate Student Researcher & Instructor

- Design course and create course content. Teach two discussion sections per week to 50 students covering energy and climate

Berkeley, CA

June 2016-December 2016

UNIVERSITY OF NEW SOUTH WALES, Climate Change Research Centre

Visiting Research Scholar and Lecturer

- Research renewable energy technology learning curves and knowledge spillovers
- School of PV and Renewable Energy Engineering (SPREE) lecturer

Sydney, Australia

June 2016-August 2016

UC BERKELEY, Energy & Society

Graduate Student Instructor

- Teach two discussion sections per week to 100 students covering interdisciplinary energy topics. Syllabus: nature.berkeley.edu/er100

Berkeley, CA

August 2015-December 2015

UNIVERSITY OF FLORIDA, Soil & Water Science Laboratory

Bioenergy Research Assistant

- Conducted food-waste chemical-oxygen demand audit for energy content & economic analysis for anaerobic digesters

Gainesville, FL

July 2010-January 2011

PAPERS/PRESENTATIONS

- 2014 ACEEE Summer Study: “Using the Buildings Performance Database to Support Data-Driven Analyses & Decision-Making”
- Department of Energy study: “Building Energy Data Exchange Specification Scoping Report: Stakeholder & Technology Review”
- “Wholesale Electricity Market Design and Best Practices” for Centro Mario Molina
- “Clean Energy Certificates Market: Designing a Solution for Mexico” for Centro Mario Molina
- “Utility-Scale Smart Meter Deployments.” Edison Electric Institute for Electric Innovation
- “Flexible Generation Resources: A Technology & Policy Analysis.” Edison Electric Institute for Electric Innovation
- “Disaggregating Renewable Energy Technology Learning Curves.” University of New South Wales

PROFFICIENCY

- In the office: Microsoft Office Suite, R, LaTeX, Photoshop, limited PowerWorld, Salesforce, all social media
- In the workshop: Arc/Mig/Tig/Spot Welding, Wood & Metal Working Power Tools (Sanders, Grinders, Saws, Guns, Drills, etc.)
- Language: English (Fluent, Native Speaker), Spanish (Professional Working Proficiency)

PERSONAL

- Accomplishments: Climbed Mt. Whitney & sailed up the East coast of the US
- Goals: To hike in every US National Park, to climb Mt. Rainier, & to dive the Great Barrier Reef
- Other Interests: Cycling, hang-gliding, travelling, scuba diving, motorcycling, brewing, baking, banjo, and, of course, my dog Hazel