

# Aaron Burdick

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## **ENERGY AND ENVIRONMENTAL ECONOMICS, INC.**

San Francisco, CA

*Director*

Mr. Burdick joined E3's planning group in 2019, where he helps utilities, system operators, and state agencies prepare for a high renewables future. He joined E3 from utility Pacific Gas & Electric, where he led the development of PG&E's 2018 Integrated Resource Plan and provided leadership on decarbonization efforts and renewable energy strategy. Before attending graduate school, Mr. Burdick spent four years at energy consultancy ICF International. He has also conducted energy analysis and provided strategic advice to non-profit environmental organizations. Mr. Burdick holds an M.S. in Civil and Environmental Engineering (Atmosphere/Energy) from Stanford University and a B.S. in Environmental Studies from the University of California, Santa Barbara.

## **PACIFIC GAS & ELECTRIC COMPANY**

San Francisco, CA

*Principal, Policy Analysis*

December 2017 – May 2019

*Expert Analyst, Clean Energy Analysis*

January 2016 – November 2017

*Senior Analyst, Renewable Energy Strategy*

October 2014 – December 2015

- Technical, policy, and strategy leadership on electric decarbonization efforts
- Led the development of PG&E's 2018 Integrated Resource Plan
- Project management of key renewable energy compliance deliverables and technical consulting studies
- Key contributor to additional topics including cost-effectiveness, valuation, DER planning, transmission planning, vehicle-to-grid integration, and decarbonization pathways modeling

## **SIERRA CLUB**

San Francisco, CA

*Campaign Analyst*

July 2013 – October 2014

- Developed policy analysis models to inform policy positions and regulatory comments on the EPA's Clean Power Plan
- Provided technical and market expertise on power plant economics and national electric sector trends to directors and executive leadership to inform organizational strategy

## **CLEAN COALITION**

Palo Alto, CA

*Intelligent Grid Program Associate*

June 2012 – January 2013

- Led the technical development of the Community Microgrid Initiative to integrate high penetrations of distributed solar using storage and smart inverters; developed and ran distribution power flow models

**STANFORD UNIVERSITY***Teaching Assistant**Research Assistant*

Palo Alto, CA

January 2013 – June 2013

July 2011 – December 2011

- Teaching Assistant for graduate-level courses “Air Pollution & Global Warming” and “Electric Power: Renewables & Efficiency”
- Research Assistant to Dr. Mark Jacobson on climate impacts of aviation

**ICF INTERNATIONAL***Analyst**Research Assistant*

Sherman Oaks, CA

June 2009 – December 2011

December 2007 – June 2009

- Clean energy, energy efficiency, and climate change consulting projects, including technical assistance for state government clean energy efforts for DOE, IOU energy efficiency program implementation, and GHG reduction planning for the public sector and Fortune 500 firms

**Education**

Stanford University

*M.S., Civil and Environmental Engineering (Atmosphere/Energy)*

Stanford, CA

2013

University of California, Santa Barbara

*B.S., Environmental Studies (with Highest Honors)*

Santa Barbara, CA

2007

**Citizenship**

United States