

# MICHAEL COLVIN

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## Environmental Defense Fund

Director, California Energy Program

Senior Manager, California Energy Policy

2018 Present  
**FILED**

2012-2016

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2018-2019  
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- Topics included: wholesale energy markets, electric energy storage, heavy duty electric vehicles, natural gas infrastructure pricing

## Experience at California Public Utilities Commission

2008-2018

Senior Analyst, Policy and Planning Division

2017

Policy and Planning Division is the CPUC's internal "think tank" to identify emerging trends and conduct cross-cutting analysis.

Selected projects include:

- Designed Climate Change and Environmental Performance Metrics for Investor Owned Utilities
- Drafted Order Instituting Rulemaking on Electric Infrastructure Undergrounding
- Served as a state expert witness on Qualifying Facilities in Federal Court
- Lead Analyst and Principal Author on white paper on "California Customer Choice: An Evaluation of Regulatory Framework Options in an Evolving Electric Market"

Energy and Safety Policy Advisor to Commissioner Catherine J.K. Sandoval

2016

Duties include advising Commissioner on voting matters, drafting concurrences and alternate proposed decisions, project manager of assigned cases, drafting speeches and presentations. Selected proceeding work includes:

- Low Income Energy Efficiency and Rate Assistance Programs: Drafted a decision resulting in low income customers receiving over \$1.1 billion in rate assistance to over 1.5 million Californians; the efficiency programs save the average household over \$70 annually on their utility bill
- Water/Energy Nexus: drafted a proposed decision on "matinee rates" for commercial customers to shift energy usage to take advantage of water-optimized generation consumption leading to more water available during historic drought
- San Onofre Nuclear Generation Station: drafted an assigned commissioner ruling on framework for post-settlement actions

Chief of Staff, Safety and Enforcement Division

2015

Duties include legislative, administrative and liaison to division director and 250 employees. Projects include:

- Drafted CPUC emergency response management plan, including training time table and implementation
- Created and implemented a Monthly Safety Report of all Commission safety-related activities
- Coordinated a Commission-wide "Safety Action Plan" including initial steps to create a safety management system
- Created and implemented a safety-related IT needs assessment, leading to major improvements to utility safety incident reporting databases for both natural gas and electric utilities

Program and Project Supervisor, Risk Assessment and Management

2014

Supervised a multi-disciplinary team of five engineers and policy analysts in the emerging field of utility risk assessment. This team was the first in the country to try to integrate independent risk assessments into a utility's General Rate Case. Under my direction, the team:

- Successfully oversaw the completion of the first risk assessments for the four major California energy utilities
- Designed operational procedures for risk assessments for utility natural gas and electric operations
- Created and implemented new resource requests for additional budgetary allocations for staffing, other resources

- Energy and Water Policy Advisor to Commissioner Mark J. Ferron 2011-2013
- Duties include advising Commissioner on voting matters, drafting concurrences and alternate proposed decisions, project manager of assigned cases, drafting speeches and presentations. Selected proceeding work includes:
- Energy Efficiency, including creation of rolling portfolio model for California programs with over \$1 billion annual spend, creation of new on-bill repayment financing pilots to help customers pay for capital intensive efficiency measures and updated incentive mechanism for utilities to deploy programs
  - Energy and Large Water Utility Cost of Capital proceedings, authorizing enough rate of return to attract capital investment and simultaneously led to monthly customer bill savings for all customers of \$0.75-\$1.50 from reduced return on equity
  - San Diego Gas & Electric/Southern California Gas General Rate Case – determine overall revenue requirement, operational expenses and capital investments and financial impacts to customers
  - Crafted a demand respond portfolio alternate that was ultimately adopted by the CPUC
- Policy Analyst, Policy and Planning Division 2008-2011
- Lead staff on comprehensive settlement in Qualifying Facilities/Combined Heat and Power matters, ending a decade of contentious litigation, adoption of new standard offer contracts and Short Run Avoided Cost methodology, and transition for over 4,000 MW of efficient generation into a state program.
  - Member of Greenhouse Gas Emissions Reductions team; designed framework for electric sector emissions reductions strategies.
  - Drafted Commission’s first rulemaking on electric energy storage in response to legislation
  - Drafted Commission’s first rulemaking on alternative fuel vehicles, including electric vehicles in response to legislation
- Summer Intern 2006
- Analyst on incentive budget and design for California Solar Initiative to give declining incentives to solar PV technologies
- Consulting
- California Air Resources Board 2007
- Provided an economic and technical policy analysis in response to Assembly Bill 32 examining the role of voluntary early action Greenhouse Gas emissions strategies in a load-based compliance model
- ICLEI – Local Governments for Sustainability 2006
- Designed evaluation and implementation plan of Greenhouse Gas emissions reduction strategies for Marin County, CA
- California Climate Change Center, UC Berkeley 2005
- Conducted network analysis of government sponsored conferences to promote innovation in clean energy technologies
- Education
- Masters in Public Policy, Goldman School of Public Policy 2007  
University of California at Berkeley
- Masters Project on evaluation of market viability for early voluntary Greenhouse Gas Emissions Reduction compliance
  - Graduate Student Instructor for two semesters of “Introduction to Public Policy Analysis”
- B.S. Environmental Economics and Policy 2005  
University of California at Berkeley
- Graduated with Honors and College Research Honors
- References Available Upon Request