

Kevin Novan

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Department of Agricultural and Resource Economics
University of California, Davis
One Shields Avenue
Davis, CA 95616

Office: SS&H 3120
Phone: (360) 319-7410
Email: knovan@ucdavis.edu
are.ucdavis.edu/people/faculty/kevin-novan

Employment

2019 – present: Associate Professor, Ag & Resource Economics, University of California, Davis

2012 – 2018: Assistant Professor, Ag & Resource Economics, University of California, Davis

Education

Ph.D., Economics, University of California, San Diego, 2012

B.A., Economics and Mathematics, Western Washington University, 2005

Publications in Peer-Reviewed Journals

“Setting with the Sun: The impacts of renewable energy on conventional generation,” (with Jim Bushnell), *Journal of the Association of Environmental and Resource Economists* (forthcoming).

“Emissions, Transmission, and the Environmental Value of Renewable Energy,” (with Harrison Fell and Daniel Kaffine), *American Economic Journal: Economic Policy* (forthcoming).

“Building Codes do Save Energy: Evidence from Hourly Smart-Meter Data,” (with Aaron Smith and Tixanxia Zhou), *Review of Economics and Statistics* (forthcoming).

“The Incentive to Overinvest in Energy Efficiency: Evidence from Hourly Smart-Meter Data,” (with Aaron Smith), *Journal of the Association of Environmental and Resource Economists*, 2018.

“The Distributional Effects of a Carbon Tax on Current and Future Generations,” (with Stephe Fried and William Peterman), *Review of Economic Dynamics*, 2018.

“The cost of charging plug-in electric vehicles (PEVs): Within day variation in emissions and electricity prices,” (with Yingkai Fang and Frank Asche), *Energy Economics*, 2018.

“Overlapping Environmental Policies and the Impact on Pollution,” *Journal of the Association of Environmental and Resource Economists*, 2017.

“Upgrading Efficiency and Behavior: Electricity Savings from Residential Weatherization Programs,” (with Joshua Graff Zivin), *Energy Journal*, 2016.

“Valuing the Wind: Renewable Energy Policies and Air Pollution Avoided,” *American Economic Journal: Economic Policy*, 2015.

“The Private and Social Economics of Bulk Electricity Storage,” (with Richard Carson), *Journal of Environmental Economics and Management*, 2013.

“Gasoline Taxes and Revenue Volatility: An Application to California,” (with Michael Madowitz), *Energy Policy*, 2013.

Other Publications

“The Green Dividend Dilemma: Carbon Dividends Versus Double-Dividends,” (with William Peterman and Stephanie Fried) *FEDS Notes*. Washington: Board of Governors of the Federal Reserve System, March 8, 2019.

“California’s Evolving Landscape,” *California Agriculture: Dimensions and Issues*, 3rd Edition, Giannini Foundation, 2018.

“Should Communities Get into the Power Marketing Business?” *Agricultural and Resource Economics Update*, 2016.

“Shale Gas Boom: Implications for California Agriculture,” (with Colin Carter), *Agricultural and Resource Economics Update*, 2013.

Working Papers

“Uncertainty and Additionality in Energy Efficiency Programs,” (with Ben Gilbert and Jacob LaRiviere), 2020.

“Recycling Carbon Tax Revenue to Maximize Welfare,” (with Stephanie Fried and William Peterman), 2020.

“The Macro Effects of Climate Policy Uncertainty,” (with Stephanie Fried and William Peterman), 2019.

“Review of the Economics Literature on U.S. Electricity Restructuring,” (with Jim Bushnell and Erin Mansur), 2017

Research Grants

Sloan Foundation, 2016, “When do households participate in energy efficiency programs?” (with Aaron Smith)

Energy Foundation, 2015, “Using smart-meter data to evaluate returns to energy efficiency investments,” (with Aaron Smith)

UC Center for Energy and Environmental Economics, 2014, “Cost Impacts of Volatility of Renewable Electricity Supply,” (with James Bushnell).

Giannini Foundation Minigrant, 2013, “The Potential for Forecasting to Improve Energy Efficiency Policies in California,” (with Aaron Smith).

UC Center for Energy and Environmental Economics, 2012, “Overlapping Environmental Policies: When Does Renewable Electricity Reduce Pollution?”

UC Center for Energy and Environmental Economics, 2011, “Energy Efficient Retrofits and the Rebound Effect in Low-Income Housing,” (with Joshua Graff Zivin).

UC Center for Energy and Environmental Economics, 2010, “Valuing Intermittent Renewable Energy Generation with Energy Storage,” (with Richard Carson).

Fellowships and Awards

Australian Agricultural and Resource Economics Society Heading South Award, 2016

UC Davis Faculty Development Award, 2014-15

CEESP Pre-Doctoral Fellowship, Arizona State University, 2011.

Teaching Assistant Excellence Award, Department of Economics, UC San Diego, 2010.
Outstanding Graduate in Economics, Western Washington University, 2005.

Teaching

Intermediate Microeconomics, Undergraduate, UC Davis (2019-2021)
Applied Econometrics, Ph.D., UC Davis (2014-16, 2018-20)
Environmental and Resource Economics, Masters, UC Davis (2013- 16, 2018)
Environmental Economics, Undergraduate, UC Davis (2015, 2018-19)
Microeconomics, Undergraduate, UC San Diego (2012)

Seminar and Conference Presentations

2019: AERE Annual Conference (Tahoe)
2017: Western Economic Association (San Diego)
2016: UC Berkeley Energy Institute, UC Berkeley POWER Conference
2015: Cornell (Applied Economics), AERE Annual Conference (San Diego), Colorado School of Mines (Economics), National Renewable Energy Laboratory (Golden, CO)
2014: Arizona State CEESP
2013: UCE³ All-UC Conference (UC Berkeley), AERE Annual Conference (Banff), UC Berkeley (ARE), Colorado School of Mines (Economics), Colorado State (ARE), CU Environmental and Resource Economics Workshop
2012: AERE Annual Conference (Asheville), Western Washington University (Economics), UC Davis (ARE), Lehigh (Economics), Iowa State (Economics), Arizona State (Economics), UC Santa Barbara (Bren School), UC Irvine (Economics), Resources for the Future, Maryland (AREC), NC State (ARE)
2011: Graduate Student Economics Conference (NYU), NBER EEE Summer Institute Research Sketch, International Energy Workshop (Stanford), UCE³ All-UC Conference (UC Berkeley), Arizona State (Economics)
2010: Occasional Workshop on Environmental and Resource Economics (UC Santa Barbara)