

David A. Evans, Economist in EPA's [National Center for Environmental Economics](#)

Research Interests: Regulatory design, instrument choice and incentives for pollution control; electricity sector modeling/analysis; multi-pollutant control strategies; welfare economics

Biography: David A. Evans has been an economist at the National Center for Environmental Economics at the U.S. EPA since 2007. He is an expert in the design, benefits, and costs of air quality regulations. His research focuses on evaluating the efficiency and distributional impacts of environmental regulations and the benefits of ecological improvements from reduced acidic deposition. He has been NCEE's lead economist on a number of economically significant air quality regulations affecting the electricity sector including the Cross-State Air Pollution Rule and Update Rule, the Mercury and Air Toxics Standards Rule, the Clean Power Plan, and the Affordable Clean Energy Rule. Prior to joining the Agency, he served as a research assistant and associate at Resources for the Future (2001–2007). David received his BA from Hiram College (1995), a MS in agricultural, resource and consumer economics at the University of Illinois at Urbana-Champaign (1999), and his PhD in Economics from the University of Maryland in 2007.

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Peer-Reviewed Publications:

“[Valuation of Ecosystem Services in the Southern Appalachian Mountains](#),” (with H. Spencer Banzhaf, Dallas Burtraw, Susie Chung Criscimagna, Bernard Crosby, Alan Krupnick and Juha Siikamaki), *Environmental Science and Technology*, 50(6), pp. 2830-2836, February 2016.

“[Are Energy Efficiency Standards Justified?](#),” (with Ian W.H. Parry and Wallace E. Oates), *Journal of Environmental Economics and Management*, 67(2), pp.104–125, March 2014.

“[What Can We Learn from the End of the Grand Policy Experiment? The Collapse of the National SO₂ Trading Program and Implications for Tradable Permits as a Policy Instrument](#),” (with Richard T. Woodward.) *Annual Review of Resource Economics*, 5, pp. 325–48, June 2013.

“[Using Ecosystem Services to Inform Decisions on U.S. Air Quality Standards](#),” (with Anne Rea, Christine Davis, Brian Heninger, and George Van Houtven.) *Environmental Science & Technology*, 46, pp. 6481–6488, 2012.

“[Tradable Rights to Emit Air Pollution](#),” (with Dallas Burtraw). *The Australian Journal of Agricultural and Resource Economics*, 53(1), pp.59-84, January 2009). (Also available as *Resources for the Future Discussion Paper 08-08*.)

“[Summary of Workshop on Sample Representativeness and Government Approval of Stated Preference Surveys](#),” (with Alan Krupnick). *Association of Environmental and Resource*

Economists (AERE) Newsletter. 28(1), pp. 26-31, 2008.

[“Modeling the Effects of Changes in New Source Review on National SO₂ and NO_x Emissions from Electricity-Generating Units,”](#) (with B.F. Hobbs, C.N. Oren and Karen Palmer). *Environmental Science and Technology*, 42(2), pp. 347-353, January 2008.

[“Where's the Sky's Limit? Lessons from Chicago's Cap and Trade Program,”](#) (with J.A. Kruger). *Environment*, 49(2), pp 18-32, March 2007.

[“Valuation of Natural Resource Improvements in the Adirondacks,”](#) (with Spencer Banzhaf, Dallas Burtraw, and Alan Krupnick), *Land Economics*, 82(3), pp. 445-464, August 2006.

[“The Benefits and Costs of Informal Sector Pollution Control: Mexican Brick Kilns,”](#) (with A. Blackman, J-S Shih, Steve Newbold, J. Cook, M. Batz), *Environment and Development Economics*, 11(5), pp. 603-627, 2006.

[“Economics of Pollution Trading for SO₂ and NO_x”](#) (with Dallas Burtraw, Alan Krupnick, Karen Palmer, R. Toth), *Annual Review of Environment and Resources*, 30, pp 253-289, 2005.