

Kristen E. Brown, Environmental Engineer in EPA's National Risk Management Research Laboratory

Air and Energy Management Division

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Area of expertise:

- Energy-economic modeling with the MARKAL/TIMES framework
- Long term energy systems analysis, including emissions
- Connections across energy sectors (e.g. transportation, electricity, resources)
- Scenario analysis of the impacts of a variety of energy technologies

Select publications:

Brown, K.E., Hottle, T.A., Bandyopadhyay, R., Babaei, S., Dodder, R.S., Kaplan, P.O., Lenox, C.S., Loughlin, D.H. (2018). Evolution of the United States Energy System and Related Emissions under Varying Social and Technological Development Paradigms: Plausible Scenarios for Use in Robust Decision Making. *Environmental Science & Technology* 52 (14), 8027-8038: DOI: 10.1021/acs.est.8b00575.

View more research publications by [Kristen Brown](#)

Education:

- Ph.D., University of Colorado, Boulder, CO; Environmental Engineering, 2016
- M.S., University of Colorado, Boulder, CO; Mechanical Engineering, 2013
- B.A., University of California, Berkeley, CA; Physics, 2010

Professional Experience:

- Co-chair for Air Quality, Climate and Energy session at CMAS conference 2018