

Susan Stratton Sayre

Department of Economics
Smith College
Wright 219
Northampton, MA 01063

ssayre@smith.edu
Office: (413) 585-2792
Fax: (413) 585-7611

EDUCATION

Ph.D	2008	University of California, Berkeley	Agricultural & Resource Economics
M.S.	2003	University of California, Berkeley	Agricultural & Resource Economics
B.A.	1999	Swarthmore College	Majors: Religion and Economics

PROFESSIONAL APPOINTMENTS

Associate Professor (2019-present), Department of Economics, Smith College

Assistant Professor (2009-2019), Department of Economics, Smith College

Visiting Researcher (2009), Research Analyst (2008) Department of Agricultural and Resource Economics, University of California, Davis.

RESEARCH AND TEACHING FIELDS

Environmental and Resource Economics, Agricultural Policy, Numerical Methods, Political Economy, Microeconomic Theory

REFEREED JOURNAL ARTICLES

S.S. Sayre and V. Taraz (2019), “Groundwater depletion in India: Social losses from costly well deepening” *Journal of Environmental Economics and Management* 93, 85-100.

S.S. Sayre (2019) “Pay for the option to pay? The impact of improved scientific information on payments for ecosystem services” *Environmental and Resource Economics* 73(2), 591-625.

R.E. Goodhue, S.S. Sayre and L.K. Simon, (2016) “Modeling Negotiations Over Water and Ecosystem Management: Uncertainty and Political Viability” *Strategic Behavior and the Environment* 6 (1-2), 73-134.

W.M. Hanemann, S.S. Sayre and L. Dale, (2016), “The Downside Risk of Climate Change in California’s Central Valley Agricultural Sector” *Climatic Change* 137(1), 15-27.

C. Marchiori, S.S. Sayre, and L.K. Simon (2012), “On the Implementation and Performance of Water Rights Buyback Schemes” *Water Resource Management* 26, 2799–2816.

C. Marchiori, S.S. Sayre, and L.K. Simon (2012) “Bargaining and Devolution in the Guadiana Basin,” *Environmental and Resource Economics* 51(3), 453-470.

G.C. Rausser, S.S. Sayre, and L.K. Simon (2011) “Local Negotiation with Heterogeneous Groundwater Users,” *Strategic Behavior and the Environment*, 2(1), 61-82.

G.C. Rausser, S.S. Sayre, and L.K. Simon (2011) “Property Rights and Water Transfers: Bargaining among Multiple Stakeholders,” *Strategic Behavior and the Environment*, 1(1), 1-29.

OTHER PUBLICATIONS

S.S. Sayre (2019) “Book Review: *Water Politics: Governing our most Precious Resource* by David L. Feldman” *Water Economics and Policy* 5(1).

A.R. Barron, B.J. Parker, and S.S. Sayre (2018), “Smith College Proxy Carbon Life Cycle Cost Calculator” and “A How-to-Guide for the Smith Proxy Carbon Life Cycle Cost Calculator” in C.

Pickett and R. Woodside (ed) *Internal Carbon Pricing in Higher Education Toolkit*, Section VI, <https://secondnature.org/carbon-pricing-6/>

Guswa, A.J., K. Brauman, C. Brown, P. Hamel, B. Keeler, **S.S. Sayre** (2014) “Ecosystem Services: Challenges and Opportunities for Hydrologic Modeling to Support Decision Making” *Water Resources Research* 50(5), 4535-4544.

R.E. Goodhue, **S.S. Sayre**, and L.K. Simon (2012) “The Sacramento–San Joaquin Delta and the Political Economy of California Water Allocation” Ch. 11 in D. Gardner and R.T. Simmons (ed) *Aquonomics: Water Markets and the Environment*, Independent Institute: Oakland, CA.

R.E. Goodhue, L.K. Simon, and **S.E. Stratton** (2009), “Strategic Behaviour in Water Policy Negotiations: Lessons from California” Chapter 14 in *Policy and Strategic Behaviour in Water Resource Management*, Ariel Dinar and Jose Albiac, editors. London: Earthscan Press.

S.E. Stratton, L. K. Simon, and C. Marchiori (2008) “Promoting Groundwater Reform in the Guadiana Basin,” *American Journal of Agricultural Economics* 90(5), 1343-1349. *Conference Proceedings Volume*

WORKING PAPERS

A.R. Barron, B. Parker, **S.S. Sayre**, S. Weber, and D.J. Weisbord, “Carbon Pricing Approaches for Climate Decisions in Higher Education: Proxy Prices for Deep Decarbonization” *under review*

WORKS IN PROGRESS

S.S. Sayre, “Microsimulation to measure local expenditures: An application to Massachusetts carbon taxes”

N.W. Chan and **S.S. Sayre**, “Yea or Nay for Carbon Taxes? Political economy and willingness to pay for carbon reductions in Washington”

COURSES TAUGHT

Economics

Introduction to Microeconomics: (2 times, most recent Spring 2020)

Intermediate Microeconomics: (6 times, most recent Spring 2018)

Environmental Economics (lower level): (7 times, most recent Fall 2019)

Seminar in Environmental and Resource Economics: (5 times, most recent Spring 2020)

Topics in Applied Microeconomics: Spring 2016

Environmental Science and Policy

Interpreting and Communicating Information: (6 times, most recent Fall 2019)

Decoding the Experts: Modeling the Impact of Climate Change: Fall 2016

Environmental Policy: Economic Perspectives: Spring 2010

PROFESSIONAL ACTIVITIES

Peer Review

Climatic Change, Journal of the American Water Resources Association, Strategic Behavior and the Environment, Agricultural and Resource Economics Review, Journal of Water Resources Planning and Management, Journal of Economic Education, University of Chicago Press, Journal of Environmental Economics and Management, Swiss National Science Foundation, Water Resources and Economics, Australian Journal of Agricultural and Resource Economics

Memberships

American Economic Association, Association of Environmental and Resource Economists, American Agricultural Economics Association, Northeastern Agricultural and Resource Economics Association, International Water Resource Economics Consortium, Phi Beta Kappa

COLLEGE SERVICE

Environmental Science and Policy Program Committee (2010-present)
Retirement Plan Investment Committee (2019-present)
Climate Change Concentration Advisory Committee (2014-present)
Global Financial Institutions Advisory Committee (2014-present)
Environmental Science and Policy Space and Staffing Subcommittee (2015-2017, 2019-present)
Economics Department Honors Director (2014- 2018, 2019-present)
Economics Department Search Committee (2011-2012, 2012-2013, 2016-2017, 2019-2020)
Campus Planning Committee (2017-2019)
College Council on Community Policy (2013-2016)
Environmental Science and Policy Search Committee (2013-2014)
Economics Department Student Activities Coordinator (2011-2014, Fall 2016)
Environmental Science and Policy Curriculum Subcommittee (2010-2012)