

Susan Stratton Sayre

Department of Economics
Smith College
Seelye 305
Northampton, MA 01063

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

<https://sites.google.com/site/susanstrattonsayre>

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

Assistant Professor (2009-present), 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 (forthcoming), “Groundwater depletion in India: Social losses from costly well deepening” *Journal of Environmental Economics and Management*

S.S. Sayre (2018) “Pay for the option to pay? The impact of improved scientific information on payments for ecosystem services” *Environmental and Resource Economics*, Advance online publication. doi: 10.1007/s10640-018-0275-3.

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 (2018) “Book Review: *Water Politics: Governing our most precious resource* by David L. Feldman” *Water Economics and Policy*.

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, **S.S. Sayre**, D.J. Weisbord, and B. Parker, “Proxy Carbon Pricing for the Third Sector: Potential leadership from non-profits and academic institutions”

WORKS IN PROGRESS

S.S. Sayre, “Local incidence of a Massachusetts Carbon Tax”

Z. Li and **S.S. Sayre**, “Institutional Proxy Carbon Pricing with Combined Heat and Power Plants”

COURSES TAUGHT

Economics

Intermediate Microeconomics: Fall 2009, Fall 2010, Fall 2011; Spring 2015, Spring 2017, Spring 2018

Environmental Economics (lower level): Spring 2011, Spring 2013, Fall 2015, Fall 2016, Fall 2017

Environmental Economics (upper level): Spring 2010

Seminar in Environmental and Resource Economics: Fall 2013, Fall 2014, Spring 2016, *Spring 2019*

Topics in Applied Microeconomics: Spring 2016

Introduction to Microeconomics: *Spring 2019*

Environmental Science and Policy

Interpreting and Communicating Information: Spring 2011, Spring 2013, Fall 2013, Fall 2014, Fall 2017

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

Environmental Policy: Economic Perspectives: Spring 2010

SUPERVISION OF STUDENT RESEARCH

Zhuoran (Gray) Li, *Refining the Application of a Proxy Carbon Price for Smith College*, Honors Thesis 2018-2019

Breanna Parker, *Designing a Proxy Carbon Price Strategy for Smith College*, Honors Thesis 2017-2018, co-advisor with Alex Barron, awarded 2018 AASHE Campus Sustainability Research Award

Jacqueline Zhou, *Valuation of Open Space in Northampton*, Honors Thesis 2014-2015

YuXin Li, *Simulation modeling of the welfare impacts of water pricing systems*, Special Studies Fall 2014
Kirin Jandu, *Water Resource Equity in India*, Special Studies Fall 2009

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)
Campus Planning Committee (2017-present)
Economics Department Honors Director (2014- 2018)
Environmental Science and Policy Space and Staffing Subcommittee (2015-2017)
College Council on Community Policy (2013-2016)
Environmental Science and Policy Search Committee (2013-2014)
Economics Department Search Committee (2011-2012, 2012-2013, 2016-2017)
Economics Department Student Activities Coordinator (2011-2014, Fall 2016)
Environmental Science and Policy Curriculum Subcommittee (2010-2012)