

Catherine M. H. Keske

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EDUCATION

2006 Doctor of Philosophy in Agricultural and Resource Economics, Colorado State University
2003 Master of Science, Mineral Economics, Colorado School of Mines
1994 Master of Science, Hearing and Speech Sciences, Vanderbilt University
1992 Bachelor of Science, Communication Disorders, *magna cum laude*, Bowling Green State University

ACADEMIC POSITIONS

2012-present Associate Professor, Dept. of Soil and Crop Sciences, Colorado State University
2006-2012 Assistant Professor, Dept. of Soil and Crop Sciences, Colorado State University
2008-present Adjunct Professor, Denver University Sturm School of Law
2006 Adjunct Professor, University of Northern Colorado
2004-2005 Adjunct Professor, Colorado School of Mines
2003-2004 Adjunct Professor, Red Rocks Community College

OTHER POSITIONS

1996-2001 Great Nordic Companies, Minnetonka, MN
National Manager of Technical Training & Southwest Area Business Manager
1994-1995 Clinical Audiologist, Nashville, TN Veteran's Administration Hospital

Output Summary (April 2012)

- Refereed, published journal articles: 25
- Refereed, published books and book chapters: 15
- Other refereed, published technical and extension reports: 21
- Non-refereed, published scientific, technical, and extension bulletins: 98
- Funded grants: More than \$11,000,000 as PI or Co-PI from 2005-2011
More than \$15,000,000 as Collaborator from 2005-2011
30 Total (PI: 7; Co-PI: 20; Collaborator: 3)
- PI/co-PI of workgroup, workshop, and mini-grants (eg. NSF, CSU internal): 11
- Pending grants: 4 totaling approximately \$15,000,000 (DOE; USDA AFRI-NIFA)

PUBLISHED WORKS

Refereed Journal Articles:

- 25) **Keske, C.M.H.**, G. Lohman, 2012, Biochar: An Emerging Market Solution for Legacy Mine Reclamation and the Environment. *Appalachian Natural Resources Law Journal*. 6(1).
- 24) **Keske, C.M.H.**, 2012, Anaerobic Digestion Technology: How Agricultural Producers—and the Environment—Might Profit from Nuisance Lawsuits. *Natural Resources Journal*. 52(2).
- 23) McLeod, D.M., C.T. Bastian, **C.M. Keske**, D.L. Hoag, 2012, Landowner Preferences for Conservation Easements: Responses from two Intermountain States. *Journal of Farm Managers and Rural Appraisers*. June 2012 Edition.
- 22) **Keske, C.M.H.**, G. Lohman, J. Loomis, 2012, Do Respondents Report Willingness to Pay on a Per Person or Per Group Basis? A Mountain Recreation Example. *Tourism Economics* 18(3).

- 21) **Keske, C.M.H.**, S. Evans, T. Iverson, 2012, Total Cost Electricity Pricing: A Market Solution for Increasingly Rigorous Environmental Standards. *The Electricity Journal* 25(2) 7-15.
- 20) Loomis, J.B. and **C.M.H. Keske**, 2012, Did the great recession reduce visitor spending and willingness to pay for nature-based recreation? Evidence from 2006 and 2009, *Contemporary Economic Policy*. 30(2), pp. 238-246.
- 19) **Keske, C.M.H.**, 2011, Costs of Environmental and Performance Attributes of the Colorado Electricity Sector. *The Electricity Journal* 24(9), pp. 75-83.
- 18) **Keske, C.M.H.**, D. Hoag, and C.T. Bastian, 2011, “The effect of landowner amenity rents in conservation easement policies”. *Environmental Economics Journal* 2(3), pp. 123-130.
- 17) **Keske, C.M.H.**, 2011, How Lawsuits Could Ignite an Energy Market: The Case of Anaerobic Digestion *Environmental Law Reporter*, 41, pp. 11094-11100.
- 16) Hoag, D.L.K., **C.M.H. Keske** and R.L. Goldbach, 2011, Risk Individuality in crisis planning: The case of gender in American agriculture, *Journal of Risk Planning and Crisis Response*, 1(1), pp. 21-28.
- 15) **Keske, C.M.**, D.L. Hoag, D.M. McLeod, C.T. Bastian, M.G. Lacy, 2011, Using mixed methods research in environmental economics: the case of conversation easements, *International Journal of Mixed Methods for Applied Business and Policy Research* 1(1), pp. 16-28. <http://acquire.cqu.edu.au:8080/vital/access/manager/Repository/cqu:6885>
- 14) Hoag, D.L.K., R. Boone, and **C.M.H. Keske**. 2011, The agricultural cost to coexist with wildlife in Colorado, *Human Dimensions of Wildlife*, 16(5), pp. 319-329.
- 13) **Keske, C.M.H.**, 2011, How to value environmental and non-market goods: a guide for legal professionals, *Denver Journal of International Law and Policy*, 39(3), pp. 423-435.
- 12) Cross, J. E., **C.M.H. Keske**, M.G. Lacy, D.L.K. Hoag, and C.T. Bastian, 2011, Adoption of conservation easements among agricultural landowners in Colorado and Wyoming: The role of economic dependence and sense of place, *Landscape and Urban Planning* 101(1), pp. 75-83.
- 11) Miller, A., C.T. Bastian, D.M. McLeod, **C.M. Keske**, and D.L. Hoag, 2011, Factors impacting agricultural landowners’ willingness to enter into conservation easements: a case study, *Society and Natural Resources: An International Journal*, 24(1), pp. 65-74.
- 10) Laitos, J.G. and **C.M. Keske**, 2010, The right of non-use, *Journal of Environmental Law and Litigation (JELL)*, 25(2), pp. 303-384.
- 9) **Keske, C.M.H.** and L.S. Smutko, 2010, Consulting communities: using audience response system technology (ARS) to assess community preferences for sustainable recreation and tourism development, *Journal of Sustainable Tourism*, 18(8), pp. 951-970.
- 8) **Keske, C.M.**, D.L. Hoag, and C.T. Bastian, 2009, Economic efficiency in emerging markets: the case of conservation easements, *Western Economics Forum*, 8(1), pp. 7-17.
- 7) Loomis, J.B. and **C.M. Keske**, 2009, The economic value of novel means of ascending high mountain peaks: a travel cost demand model of Pikes Peak cog railway riders, automobile users and hikers, *Tourism Economics*, 15(2), pp. 426-436.
- 6) Loomis, J.B. and **C.M. Keske**, 2009, Peak load pricing of Colorado’s peaks: Influence of substitutes on valuation and use of price as a management tool, *Journal of Environmental Management* 90, pp. 1751–1760.
- 5) **Keske, C.M.** and J.B. Loomis, 2008, Regional economic contribution and net economic values of opening access to

three Colorado Fourteeners, *Tourism Economics*, 14(2), pp. 249-262.

4) **Keske, C.M.**, and J.B. Loomis, 2007, High economic values from high peaks of the West. *Western Economics Forum*, 6(1), pp. 34-41.

3) **Keske, C.M.** and D.L. Hoag, 2006, A market perspective: a research group of economists asks, what are land trusts trying to preserve? *Exchange: The National Journal of Land Conservation* 25, pp. 24-27.

2) Hoag, D.L., C.T. Bastian, **C.M. Keske**, D.M. McLeod, and A. Marshall, 2005, Evolving conservation easement markets in the West, *Western Economics Forum* 4(1), pp. 7-14.

1) Hoemann, H.W. and **C.M. Keske**, 1995, Proactive interference and language change in hearing adult students of American Sign Language, *Sign Language Studies*, 24, pp. 45-62.

Books:

Laitos, J.G., 2012, Cited as contributing author in *The Right of Non-Use* (Jan Laitos, Ed.), Oxford University Press, Forthcoming 2012.

Lohman, G., **Keske, C.M.H.**, and E.F. Kelly, 2011, *Environmental Impacts from Recreation on Colorado Fourteeners*. Lambert Academic Publishing, Saarbrücken, Germany. ISBN: 978-3-844-388091

Keske, C.M., 2008, *Rents, Efficiency, and Incomplete Markets: The Emerging Market for Private Land Preservation and Conservation Easements*, VDM, Verlag Dr. Müller Aktiengesellschaft & Co. Publishers, ISBN: 978-3-639-06693-7

Refereed Chapters in Books:

Laitos, J.G. and **C.M. Keske**, 2012, The Right of Non-Use, In *The Right of Non-Use* (Jan Laitos, Ed.), Oxford University Press, Forthcoming 2012.

Keske, C.M.H., 2010, High Mountain Ecosystems: How Much Love Can They Sustain? In *Environmental Management* (Santosh Sarkar, Ed.), Sciy Publishers, pp. 189-216. ISBN 978-953-7619.

Hoag, D.L., and **Keske, C.M.**, 2010, Determine Risk Preferences, In *Applied Risk Management in Agriculture* (Dana Hoag, Ed.), Taylor and Francis Group, pp. 91-108. ISBN: 978-1439809730

Keske, C.M., Hoag, D.L., Fathelrahman, E., 2010, Determining the Likelihood of Outcomes, In *Applied Risk Management in Agriculture* (Dana Hoag, Ed.), Taylor and Francis Group, pp. 191-218. ISBN: 978-1439809730

Sprague, A., and **Keske, C.M.**, 2010, A Case Study of EWS Farms, In *Applied Risk Management in Agriculture* (Dana Hoag, Ed.), Taylor and Francis Group, pp. 19-38. ISBN: 978-1439809730

Keske, C.M., 2007, Economic Growth and Living Standards, In *The Economics of Business* (Paul McDonnold, Ed.), Weston Distance Learning, Inc., pp. 419-452. ISBN: 040BS140TB01A-67

Keske, C.M., 2007, Economic Fluctuation and Stability, In *The Economics of Business* (Paul McDonnold, Ed.), Weston Distance Learning, Inc., pp. 453-484. ISBN: 040BS140TB01A-67

Hoag, D.L., and **Keske, C.M.**, 2006, A Primer on Food Safety, In ABC-CLIO Electronic Publications.
<http://issues.abc-clio.com/Authentication/LogOn?returnUrl=%2FHome>

Keske, C.M., and Hoag, D.L., 2006, A Primer on Urban Sprawl, In ABC-CLIO Electronic Publications.
<http://issues.abc-clio.com/Authentication/LogOn?returnUrl=%2FHome>

Keske, C.M., and Hoag, D.L., 2006, A Primer on Water Quality, In ABC-CLIO Electronic Publications.

<http://issues.abc-clio.com/Authentication/LogOn?returnUrl=%2FHome>

Hoag, D.L., **Keske, C.M.**, Ascough, J., Koontz, L., 2005, Decision Making with Environmental Indices, In *New Trends in Ecology Research* (A.R. Burk, Ed.), Nova Publishers, pp. 159-182. ISBN: 1-59454-379-8

Refereed Manuscripts in Review:

Cropper, E., D.M. McLeod, C.T. Bastian, **C.M. Keske**, D.L. Hoag, J.E. Cross. “Factors Affecting Land Trusts’ Demand for Conservation Easements.” Revise and resubmit in review for *Journal of Regional Analysis and Policy*. February 2012.

Keske, C.M.H., and A. Mayer. “Visitor willingness to pay U.S. Forest Service recreation fees in New West rural mountain economies.” Invited submission for *Environmental Development Quarterly*. April 2012.

Refereed Proceedings/Transactions:

Grunau, Lee, Michelle Fink, Karin Decker, David G. Anderson, Gabrielle Smith, **Catherine Keske**, Erick Carlson, Joshua Goldstein, and Joanna Lemly. 2012. SHRP C21 Pilot Test the Ecological Approaches to Environmental Protection Developed in Capacity Research Projects C06A and C06B.

Keske, C.M.H., T. Bauder, and A. Irrer, 2011, Colorado Nutrient Management Practices 1997-2011: Costs and Technological Advances. Submitted to the Colorado Department of Public Health and the Environment. October 31, 2011.

Keske, C.M.H., T. Iverson, S. Evans, and G. Graff, 2010, Designing a Technology-Neutral, Benefit Pricing Policy for the Electric Power Sector in Colorado. Refereed technical report submitted to the Colorado Governor’s Energy Office, December 10, 2010. <http://soilcrop.colostate.edu/keske/index.html>

Loomis, J.B., **C.M. Keske**, and G. Lohman, 2010, Did the Great Recession Reduce Visitor Expenditures? Evidence From 2006-2009. American Agricultural Economics Annual Meetings, Denver, Colorado. Refereed poster available on-line: <http://ageconsearch.umn.edu/bitstream/60825/2/Loomis%20AAEA%2010267%20Great%20Recession%2014er%20poster.pdf>

Lohman, G., **C.M.H. Keske**, and J.B. Loomis, 2010, Verbiage Matters: Do Respondents Answer Willingness to Pay Dichotomous Choice Questions on a Per Person or Per Group Basis? American Agricultural Economics Annual Meetings, Denver, Colorado. Refereed poster available on-line: <http://ideas.repec.org/p/ags/aaea10/60679.html>

Keske, C.M., 2009, Economic Feasibility Study of Colorado Anaerobic Digester Projects. Refereed technical report submitted to the Colorado Governor’s Energy Office. August 28, 2009. Project 09-205. <http://soilcrop.colostate.edu/keske/index.html>

Keske, C.M., S. Smutko, C. Doyle, 2009, Using Audience Response Systems to Measure Stakeholder Preferences in Economies Transitioning from Extraction to Recreation, In: *Journal of Agricultural and Resource Economics* (DeeVon Bailey, Ed.), 34(3), pp. 555. Refereed meeting abstract. ISSN: 1068-5502.

Laitos, J., and **C.M. Keske**, 2009, The Right of Non-Use: Providing Legal Rights to a Resource, In: *Journal of Agricultural and Resource Economics* (DeeVon Bailey, Ed.), 34(3), pp. 555. Refereed meeting abstract. ISSN: 1068-5502.

Bastian, C.T., A. Miller, D. McLeod, **C.M. Keske** and D.L. Hoag, 2008, Determinants of Agricultural Landowners’ Willingness to Supply Open Space Through Conservation Easements, American Agricultural Economics Association (AAEA)/ACCI Joint Annual Meeting, Orlando, Florida. July 29, 2008. Refereed paper published in proceedings from the annual meeting. File URL: <http://purl.umn.edu/6724>. www.aaea.org

Loomis, J.B., and **C.M. Keske**, 2008, The Economic Value of Novel Mechanized Means of Ascending High Mountain Peaks: A Travel Cost Demand Model of Pikes Peak Automobile Users, Cog Railway Riders, and Hikers, In: *Journal of Agricultural and Resource Economics* (DeeVon Bailey, Ed.), 33(3), pp. 489. Refereed meeting abstract. ISSN: 1068-5502.

Loomis, J.B., and **C.M. Keske**, 2008, Peak Load Pricing of High Alpine Peaks to Reduce Environmental Damage: Is the Reduction in Use Due to Substitution Effect or Income Effect? In: *Journal of Agricultural and Resource Economics* (DeeVon Bailey, Ed.), 33(3), pp. 489. Refereed meeting abstract. ISSN: 1068-5502.

Bastian, C.T., **C.M. Keske**, D.L. Hoag, D.M. McLeod, and A. D. Miller, 2008, Factors Impacting the Potential Supply of and Demand for Development Rights in the Emerging Market for Conservation Easements, In: *Journal of Agricultural and Resource Economics* (DeeVon Bailey, Ed.), 33(3), pp. 506. Refereed meeting abstract. ISSN: 1068-5502.

Keske, C.M., D.L. Hoag, C.T. Bastian, A. D. Miller, and D.M. McLeod, 2007, What are Landowners and Land Trusts Trying to Preserve with Conservation Easements? A Simultaneous Examination of Buyers and Sellers, In: *Journal of Agricultural and Resource Economics* (DeeVon Bailey, Ed.), 32(3), pp. 559. Refereed meeting abstract. ISSN: 1062-1912.

Keske, C.M., D.L. Hoag, and C.T. Bastian, 2007, Internalizing externalities when there are significant private non-market rents, Refereed paper published in the 2007 AAEA (formerly American Agricultural Economics Association) meeting proceedings. <http://ageconsearch.umn.edu/bitstream/9722/1/sp07ke03.pdf>

Refereed Extension Publications:

Keske, C.M.H, G. Lohman, and M.F. Cotrufo. 2012. Biochar in Colorado. Colorado State University Agricultural Extension Bulletin in review.

Keske, C.M.H. 2012. Determining the Economic Feasibility of Anaerobic Digestion in Colorado: Guidelines for Animal Farm Producers. Colorado State University Agricultural Extension Bulletin 1.229.

Cropper, E.D., C.T. Bastian, D.M. McLeod, C.M. Keske, and D.L. Hoag. 2011. Understanding Land Trusts and Factors Impacting Their Demand for Conservation Easements: Survey Results from the Intermountain West. University of Wyoming Extension Bulletin, B-1225.

Keske, C. 2011. Determine Economic Feasibility of Anaerobic Digester, In: *Technical and Economic Feasibility of Anaerobic Digestion: (Sybil Sharvelle and Catherine Keske, Eds.)*, Montana State University Extension. URL: <http://www.e3a4u.info/>

Keske, C.M., S. Gripne, and L. Sherrod. 2008. "Update on Conservation Easements: What Every Colorado Landowner Should Know." CSU Technical Extension Bulletin. March 2008. XCM-227

Non-Refereed Journal Articles/Chapters/Proceedings/Transactions:

Andrew Brandess, **Catherine Keske**, Can Erbil, The Viability of Butanol as a Biofuel Option in Western Colorado, United States Association for Energy Economics, September 2011, http://dialogue.usaee.org/index.php?option=com_content&view=article&id=148&Itemid=554

Keske, C.M.H., 2011, How Lawsuits Could Ignite an Energy Market: The Case of Anaerobic Digestion, The Berkeley Electronic Press, http://works.bepress.com/catherine_keske/1/.

Andrew Brandess, **Catherine Keske**, Can Erbil, Gold of Pleasure, *Dialogue*, United States Association for Energy Economics, May 2011, http://dialogue.usaee.org/index.php?option=com_content&view=article&id=132&Itemid=364.

Anne Nolin, Peter Adler, Dominique Bachelet, John Campbell, Robert Crabtree, Kelly Gleason, James Gosz, Kathleen Kavanagh, **Catherine Keske**, Tim Link, Marcy Litvak, Jessica Lundquist, Roger Ruess, Mark Williams. *When Winter*

Wanes: Biotic Impacts of Changing Climate and Disturbance Regimes on Seasonally Snow-covered Ecosystems from the Watershed to Continental Scale. National Science Foundation White Paper. July 9, 2011

Keske, C.M., 2010, Landowner Motivations for Conservation Easements: Research Shows that Conservation Ethic Dominates, Editorial In: *Saving Land*, 29(1), pp. 9.

Keske, C.M., 2007, The Human Perspective. Our Valuable Fourteeners, Commentary by Catherine Keske, *Colorado State Magazine*. (Winter 2007-2008), 47, pp. 7.

Other (e.g. lab texts, book reviews, technical reports, in-house reports):

Institute for Livestock and the Environment (ILE) Bylaws, Incorporated November, 2009, Keske as lead author, with review and revision from J. Davis and ILE Leadership Team.

Keske, C.M. and J.B. Loomis, 2008, Colorado Fourteeners: Estimating a Price on the Priceless. A Primer on When and How to Apply Economics to the Environment, CSU Economic Development Report, January 2008. 08-03.

Keske, C.M., 2008, Public Comment to Bureau of Land Management Environmental Impact Statement on Oil Shale and Tar Sands Development.

Loomis, J.B. and **C.M. Keske**, 2008, When Nothing Else ‘Will Do’: Colorado Fourteeners and the Effect of Limited Substitutes on Recreation Economic Benefits. *CSU Economic Development Report*, July 2008. 08-06.

Keske, C.M., 2007, The Value of Fourteener Recreation: An Economic Study of the Colorado Fourteeners, CFI: Colorado Fourteener Initiative Bi-Annual Outreach Publication, (2007), 10:1.

Keske, C.M., S. Gripne, and L. Sherrod, 2007, Update on Conservation Easements: What Every Colorado Landowner Should Know, CSU Economic Development Report, May 2007 and August 2007: 07-12 and 07-18.

Keske, C.M. and J.B. Loomis, 2007, The Economics of Colorado Fourteeners: Research Summary, CSU Economic Development Report, August 2007: 07-19.

Keske, C.M. and J.B. Loomis, 2007, Quick Fact Sheet on the Economics of Colorado Fourteeners, CSU Economic Development Report, August 2007: 07-20.

Keske, C.M., D.L. Hoag, R.L. Goldbach, and J. Parsons, 2007, Strategic Risk Management Planning for Agricultural Women: Managing the Risks That You Can Control...and Letting Go of the Ones that You Can't. Technical Paper, Colorado State University, October 2007.

Keske, C.M., 2006, *Mountain Area Land Trust Volunteer Conservation Easement Stewardship Training Manual*. Consisted of stewardship monitoring plans for 25 conservation easement properties, including updates.

Keske, C.M. Colorado's Fourteeners: Public Display of Affection VS. Private Property. CFI: Colorado Fourteener Initiative Annual Publication, (2004), 7:2.

Keske, C.M., Quarterly Manufacturing Partners Column, “Merge Ahead!” Feedback: Journal of the Academy of Dispensing Audiologists, (2000), 11:1.

Keske, C.M., Quarterly Manufacturing Partners Column, “Doctor, Doctor Give Me the News” Feedback: Journal of the Academy of Dispensing Audiologists, (2000), 11:2.

Keske, C.M., Quarterly Manufacturing Partners Column, “Feeding Your Practice” Feedback: Journal of the Academy of Dispensing Audiologists, (1999), 10:1.

Keske, C.M., Quarterly Manufacturing Partners Column, “Expanding the Scope of Your Practice—and Your Bottom

Line”, Feedback: Journal of the Academy of Dispensing Audiologists, (1999), 10:2.

Keske, C.M., Quarterly Manufacturing Partners Column, “The Impact of Digital Hearing Instruments on Audiology Practices: A Manufacturer’s Perspective”, Feedback: Journal of the Academy of Dispensing Audiologists, (1999), 10:3.

Keske, C.M., Quarterly Manufacturing Partners Column, “Can Tinnitus Be Music to Your Ears?” Feedback: Journal of the Academy of Dispensing Audiologists, (1999), 10:4.

Barker, A.M. and **C.M. Keske**. (1998). Directional Microphones. Lori Medical Laboratories Technical Paper Series.

Keske, C.M. and A.M. Barker (1998). Open Digital Primer. Lori Medical Laboratories Technical Paper Series.

Keske, C.M. and A.M. Barker (1998). Loudness Mapping. Lori Medical Laboratories Technical Paper Series.

Keske, C.M. and J.M. Coverstone. “Now That We’re Digital, Where Do We Go From Here?” Appearing in *On the Move!* (Fall 1998). Bi-annual newsletter for Members of the Minnesota Academy of Audiology.

Extension Newsletters (Identified as Editor or Contributor):

Editor: **Keske, C.M.** 2009. Editor. Ag Women and Risk Newsletter, Colorado State University College of Agriculture
Volume 2, Issue 2 (Fall 2009).
Volume 2, Issue 2 (Spring 2009).
Volume 1, Issue 1 (Fall 2008). http://www.agsci.colostate.edu/news/Ag_Women_12_08_final_web.pdf

Contributions to Newsletters:

Keske, C.M., 2009, A Waste of Energy? Two CSU Professors Study the Feasibility of Anaerobic Digestion, CSU The Salt Lick Newsletter, Volume 1, Issue 4 (October 2009).

Keske, C.M., 2009, Feature Story: Using Horsepower to Cut Costs, Ag Women and Risk Newsletter. Issue 2 (Spring 2009).

Keske, C.M. and Lohman, G., 2009, A New Source of Labor on the Western Slope: Teens on Farms, CSU Ag Women and Risk Newsletter, Volume 2, Issue 2 (Fall 2009).

Keske, C.M., 2008, Feature Story: Criating a Successful Business, Ag Women and Risk Newsletter. Issue 1 (Fall 2008).

Keske, C.M. and R.L. Goldbach, 2008, Ag Women and Risk’ Research: Results from the CSU Gender and Risk Study, Ag Women and Risk Newsletter. Volume 1, Issue 1 (Fall 2008).

Keske, C.M., 2007, Conservation Easements Offer Ranchers the Opportunity to Leave an Enduring Legacy. Colorado Livestock Association Weekend Edition, Colorado State University Livestock Links Column. November 2, 2007, 8, pp. 45.

HONORS AND AWARDS

2008 Annual Outstanding Stewardship Award for Jefferson, Clear Creek and Park Counties, Sponsored by Mountain Area Land Trust in Evergreen, CO.

2004-2005 Colorado State University Doctoral Recruiting Scholarship

2004 Hubert and Sarah Risser Annual Award for Outstanding Academic Achievement in Economics, Colorado School of Mines,

2002-03; 2003-04; 2004-05 Darlene Pauli Memorial Scholarship, Colorado School of Mines (3 time recipient)

1997 Great Nordic-Americas, GN Danavox Employee of the Year

1995 Certificate of Clinical Competence, Audiology (CCC-A) by American Speech, Language Hearing Association

(ASHA)

1994 Clinical Fellowship, Audiology (CFY-A) by American Speech, Language Hearing Association (ASHA)
1992-93; 1993-94 Vanderbilt University School of Medicine Full Tuition Scholarship (2 time recipient)
1992 Board of Trustees Fellowship, Bowling Green State University
1992 E.L Moseley Scholarship for Student Leadership, Bowling Green State University
1992 Administrative Staff Council Scholarship, Bowling Green State University
1990-91, 1991-92, 1992-93 Alumni Book Scholarship, Bowling Green State University
1990-91 Bob Bashore Honors Scholarship, Bowling Green State University
1990 Kiyo Kitahara Educational Scholarship, Bowling Green State University
1988 University of Dayton Supplemental Athletic Scholarship, Cross Country
1988 Pillsbury Community Service Scholarship

PERFORMANCES, EXHIBITS, PRODUCTIONS:

Juried Activities ((Performances/Exhibits/Productions, Compositions/Arrangements, Productions, Technical Directions, Production Design, et. al.)

December 6, 2007. Conserving With Ease(ments). Evergreen Chorale, Evergreen, CO.

Description: As a board member of the Mountain Area Land Trust, we received a grant to conduct outreach to land policy professionals (eg. developers, attorneys, bankers, and interested landowners) in Evergreen and the surrounding area. We used these funds to develop a play, with vignettes, that would deliver rather dry, but concrete information about how conservation easements are implemented.

Television and Radio Broadcasts Listed by year, broadcast affiliate, date

“Mali National News, LeJournal, Station ORTM”. Livestock and Climate Change: Biogas and Manure Management. Broadcast February 16, 2011 and February 17, 2011. <http://www.soilcrop.colostate.edu/keske/index.html>

“Broadcast NBC-11-News, Grand Junction, Colorado” Gender Risk: Management Tools for Women in Agriculture. February 3, 2009.

“Saturday Morning Farm Equipment Show with Keith Maxey”

1310 KFKA News Talk Radio Update: The Economics of Using Anaerobic Digesters for Animal Waste Management. October 17, 2009.

“Colorado Agricultural News Network Radio Broadcast with Lorrie Boyer” (19 Stations)

- 1) Using Cost Effective Management Practices in a Down Economy. February 10, 2009.
- 2) Teens on Farms: Using Teens as a Source of Summer Labor. October 30, 2009.

“Northern Ag Network Powerful Voice of the West”

94 stations across Idaho, Montana, North Dakota, South Dakota & Wyoming

- 1) Learn to Manage Your Risk. News and Voices in Agriculture with Kristi Pettis and Haylie Shipp. October 3, 2008.
- 2) Commodity Price Volatility and Other Agricultural Risks. News and Voices in Agriculture with Kristi Pettis. 94 stations across Idaho, Montana, North Dakota, South Dakota, and Wyoming. May 24, 2008.

“Colorado Agricultural News Network Radio Broadcast with Lorrie Boyer” (19 Stations) The Farm Bill’s Expanded Definition of Livestock and Other Agricultural Risks. December 12, 2008.

“Saturday Morning Farm Equipment Show with Keith Maxey”

1310 KFKA News Talk Radio

- 1) The Economics of Using Anaerobic Digesters for Animal Waste Management. November 8, 2008
- 2) Choosing Your Risk Preferences and Mitigating Your Financial Risk. April 5, 2008.

“Colorado Matters”, with Ryan Warner on Colorado Public Radio People Spend Hundreds Climbing Fourteeners. August 7, 2007; August 11, 2007; August 12, 2007 (KCFR); August 13, 2007 (KUNC).

<http://www.soilcrop.colostate.edu/keske/index.html>

“Colorado Agricultural News Network Radio Broadcast with Lorrie Boyer” (19 Stations)

- 1) Women in Agriculture and the Risks that Women Face: Part IV. October 10, 2007.
- 2) Women in Agriculture and the Risks that Women Face: Part III. September 12, 2007.
- 3) Using Cowboy Poetry to Preserve Western Heritage and a Community’s Sense of Place. September 5, 2007.
- 4) Women in Agriculture and the Risks that Women Face: Part II. July 25, 2007.
- 5) Women in Agriculture and the Risks that Women Face. April 9, 2007.

“Saturday Morning Farm Equipment Show with Keith Maxey” 1310 KFKA News Talk Radio.

- 1) Agricultural Conservation Easements. December 13, 2007.
- 2) Women in Agriculture and the Risks that Women Face: Part II. October 13, 2007.
- 3) Women in Agriculture and the Risks that Women Face: Part I. September 22, 2007.

“Colorado Agricultural News Network Radio Broadcast with Lorrie Boyer” (19 Stations) Research on Conservation Easements. December 27, 2006.

Clinics/Adjudications/Workshops:

November 19, 2009 Institute for Livestock and the Environment Second Annual Stakeholder Summit. Co-organized with Jessica Davis and Sarah Lupis. Fort Collins, Colorado.

April 28, 2009 Institute for Livestock and the Environment Open House, sponsored by CSU School for the Environment and Global Sustainability (SOGES). Co-organizer with Jessica Davis and Katherine Sanchez Meador.

February 3, 2009 Strategic Risk Management for Women in Agriculture: Labor Retention and Supply. Grand Junction,

October 24, 2008 Strategic Risk Management for Women in the Alpaca Industry Conference. Fort Collins, CO.

October 19, 2007 Business and Risk Management Conference for Women in Agriculture: Owners, Operators, and Rookies. Greeley, CO.

June 21, 2007 Risk Management for Women in Agriculture: Owners, Operators, and Rookies. Steamboat Springs, CO.

CONTRACTS & GRANTS

Externally-Funded Projects as PI

2011-2014 “Dynamics of Coupled Natural and Human Systems in the Colorado Front Range Wildland/Urban Interface: Causes and Consequences”. National Science Foundation. Catherine Keske PI for CSU sub-contract in the amount of \$255,810. Project PI at University of Colorado-Boulder: Patrick S. Bourgeron. Co-PIs: Hope Humphries, Patricia N. Limerick, Timothy R. Seastedt, Randall Walsh, Mark Williams. September 1, 2011-August 30, 2014. \$1,430,000.

Description of Interdisciplinary Work: This interdisciplinary project couples economic data (to be collected in a survey directed by Keske) with bio-physical data obtained in the mountainous exurban communities west of Boulder to determine the economic impact of ecosystem changes. Data analysis and modeling will be conducted by Keske and her co-PIs.

2009-2013 “Interdisciplinary Graduate Research for the Production and Marketing of Oilseed Biofuel Products”. PI: Keske. Co-PIs Patrick Byrne (Soil and Crop Sciences), Jerry Johnson (Soil and Crop Sciences) and Daniel Olsen (Mechanical Engineering). USDA AFRI Biofuel Education Program. December 15, 2009-November 30, 2013. \$500,000. Grant#2009-02813.

Description of Interdisciplinary Work: PI is responsible for grant writing and program coordination. This interdisciplinary grant has funded four Master of Science graduate student assistantships to study oilseed bioenergy production. Students are in four different disciplines: economics, plant genetics, agronomy, and engineering. The grant also facilitates education and communication with industry and agency partners to expand the implementation of oilseed biofuels.

2008-2012 “Using Mountain Ecosystem Services to Provide Sustainable Economic Growth and Job Development in Rural Communities”. USDA-NRI. PI: Keske. September 1, 2008-August 31, 2012. \$375,000. Grant#2008-02698.

2010 “Designing a Technology-Neutral Benefit Pricing for the Electric Power Sector in Colorado.” Invited proposal funded by Colorado Governor’s Energy Office. PI: Keske. Co-PIs: Terry Iverson, Gregory Graff. Collaborator: Samuel Evans. July 1, 2010-December 30, 2010. \$72,520.78. Grant # 10-136.

Description of Multi-Investigator Work: PI was responsible for the creation and delivery of an Excel-based pricing tool, technical report, and presentation before the Public Utility Commission. PI created marginal damage estimates of energy generation in Colorado, as well as the majority of research that supported the technical publication. PI was also responsible for all administrative aspects of the project.

2010-2013 “Environmental Economics in the Nation of Mali”. Colorado Livestock Climate Change Collaborative Research Support Program. LCC-CRSP U.S. AID Mali Associate Award. PI: Keske. October 1, 2010-September 30, 2013. \$50,516

2009 “Economic Feasibility of Anaerobic Digesters in Colorado”. Invited proposal funded by Colorado Governor’s Energy Office. PI: Keske. March 23, 2009-June 30, 2009. \$18,942. Grant # 09-205.

2008-2009 “Risk and Strategic Planning for Female Agricultural Producers in Utah and Western Colorado”. Grant funded by Western Center for Risk Management. August 1, 2008-July 31, 2009. PI: Keske. \$41,242. Grant#2007-49200-03892.

Externally-Funded Projects as Co-PI

2011-2013 “Adapting Livestock Systems to Climate Change in Mali”. Sub-award of USAID Associate Award. PI: Sybil Sharvelle. Co-PI: Keske. December 15, 2011-September 30, 2013. \$245,850.

Description of Interdisciplinary Work: Project PIs are collecting and processing animal waste for compost and biogas collection. The by-products can be used as a source of revenue generation and can improve the quality of life in these rural communities by increasing family income and increased access to energy (biogas) and improved nutrition (soil quality).

2011-2012 “Developing Low-Input, High-Biomass, Perennial Cropping Systems To Support a Bioenergy Economy on Marginal Land at Higher Elevations” South Central Sun Grant. PI: Calvin Pearson. Co-PI: Keske, Williams, Follott. September 1, 2011-August 31, 2013. \$75,000.

Description of Interdisciplinary Work: Co-PI Keske is responsible for developing crop enterprise budgets and a sensitivity analysis to determine how to make bioenergy crops (grown by PI) more economically feasible.

2011 “Financial Models for Electric Utility Business Model Transformation”. Department of Energy National Renewable Energy Laboratory’s Joint Institute for Strategic Energy Analysis (JISEA) program. January 1, 2011-September 30, 2011. PI: Thomas Bradley. Co-PIs: Dan Zimmerle, Keske. \$49,926.

Description of Interdisciplinary Work: Co-PI Keske is responsible for integrating externality pricing values into engineering models to incrementally increase the feasibility of energy technology integration.

2011-2012 “CSU Irrigation Survey: Analysis, Training and Education for Agricultural Chemicals and Groundwater Protection”. Colorado Department of Agriculture. PI: Troy Bauder. Co-PI: Keske. July 1, 2011-June 30, 2012. \$185,000.

Description of Interdisciplinary Work: Co-PI Keske worked with PI Bauder to design and implement a survey to a sample of 2,000 agricultural producers, inquiring of the cost of their BMP practices. The survey development and implementation was coordinated with a grant from the Colorado Department of Public Health and the Environment. Keske and Bauder also included questions from department faculty pertaining to precision agriculture and manure management. This second contract is to write reports, journal articles, and extension articles, and to deliver an update of BMP costs in Colorado.

2011-2012 “Pilot Test the Ecological Approaches to Environmental Protection Developed in Capacity Research. Project C06B”. PI: David Anderson. Co-PIs Joshua Goldstein and Catherine Keske. National Academy of Sciences Strategic Highway Research Program, Transportation Research Board (TRB) FFIWA Cooperative Agreement No. DTFH61-06-H-

00009. March 30, 2011-March 30, 2012. \$304,986.

Description of Interdisciplinary Work: This project product tests a decision model to be used by state highway transportation departments. The model incorporates ecological and socio-economic decision making. Co-PI Keske is responsible for surveying highway user willingness to pay for conservation attributes, as well as identification of ecosystem service markets.

2011-2012 “Biochar in Colorado agriculture: a research assessment of energy, environmental and economic benefits”. Colorado Department of Agriculture: Advancing Colorado’s Renewable Energy (ACRE) grant. PI: Francesca Cotrufo. Co-PIs: Morgan DeFoort, Keske. March 1, 2011-April 1, 2012. \$49,909.

Description of Interdisciplinary Work: Co-PI Keske is responsible for conducting an enterprise budget for different engineering and agronomic applications of biochar.

2011-2017 “The Niwot Ridge Long-Term Ecological Research Program 2011-2016: Tipping Points in High-Elevation Ecosystems in Response to Changes in Climate and Atmospheric Deposition”. NSF Long Term Ecological Research Grant renewal proposal for Niwot Ridge LTER site. PI: Mark Williams, University of Colorado-Boulder. Co-PI: Keske and 8 others. 2011-2017. \$5,900,000.

Description of Interdisciplinary Work: Co-PI Keske will work with natural scientists to integrate economic and ecological models in the Niwot Ridget mountain ecosystem. Much of the project reflects basic physical and social science modeling.

2011-2013 “Soils, Land Use and Climate Change: A New Baccalaureate Concentration”. PI: Francesca Cotrufo. Co-PIs: Keith Paustian, Stephen Ogle, Meena Balgopol, Rich Conant, and Keske. USDA AFRI-NIFA HEC program. \$139,694. Grant #2011-01783.

Description of Interdisciplinary Work: Keske will collaborate with co-PIs to develop an interdisciplinary curriculum for a new baccalaureate concentration. Keske will also co-teach classes as needed to establish the program.

2010-2011 “CSU Irrigation Survey: Analysis, Training and Education for Agricultural Chemicals and Groundwater Protection”. Colorado Department of Agriculture. PI: Troy Bauder. Co-PI: Keske. December 31, 2010-June 30, 2011. \$47,164.

Description of Interdisciplinary Work: Co-PI Keske worked with PI Bauder to design and implement a survey to a sample of 2,000 agricultural producers, inquiring of the cost of their BMP practices. The survey development and implementation was coordinated with a grant from the Colorado Department of Public Health and the Environment. Keske and Bauder also included questions from department faculty pertaining to precision agriculture and manure management.

2010-2013 “Improved Poultry Manure Management in Mali”. Colorado Livestock Climate Change Mali Associate Award (U.S. AID). PI: Sybille Sharvelle. Co-PIs: Jessica Davis and Keske. October 1, 2010-September 30, 2013. \$190,000.

Description of Interdisciplinary Work: Co-PI Keske is assessing market demand for manure management options for a poultry hatchery located in Mali, West Africa. The best use of the manure will determine the appropriate manure management option and engineering design. Co-PI Keske is also responsible for securing micro-lending for female agricultural producers who will purchase the chicks.

2010-2011 “Updating the adoption and cost of implementing nutrient Best Management Practices (BMPs) for irrigated crop production system among Colorado producers”. Colorado Department of Public Health and the Environment. PI: Reagan Waskum. Co-PIs: Keske and Troy Bauder. July 1, 2010 – June 30, 2011. \$65,000

Description of Interdisciplinary Work: Co-PIs Keske and Bauder are synthesizing data obtained through the Colorado Department of Agriculture grant to identify changes in nutrient management practices over 15 years in Colorado. Project includes analysis of panel data sets and data from National Agricultural Statistics Service and the National Resource Conservation Service.

2009-2011 “Development of Decision Tools for Anaerobic Digestion Projects.” PI: Sybil Sharvelle (Civil and Environmental Engineering). Co-PIs: Keske and Jessica Davis. USDA-NRCS CIG. October 1, 2009-September 30, 2011. \$75,000. 69-8B05-A-09-10.

Description of Interdisciplinary Work: Co-PI Keske conducted an economic analysis of anaerobic digestion in the Intermountain West. Keske also created text that has been incorporated into online decision tools:

<http://www.engr.colostate.edu/adtool/>

2005-2009 "Economic Factors Affecting Conservation Easements for Rural Land Preservation: Matching Buyer and Seller Preferences in Emerging Markets. USDA-NRI. August 15, 2005-August 15, 2009. PI: Chris Bastian (University of Wyoming). Co-PIs: Don McLeod (University of Wyoming) and Dana Hoag (CSU). \$388,000. Grant# 2005-35401-16008

Description of Multi-Investigator Work: Keske conducted the focus groups and qualitative data collection for the demand (land trust) side of the market. Keske also conducted the survey creation and quantitative data collection of the land trust side of the market. Along with her collaborators, she continues to publish research from this data set.

2007-2008 "Specialized Strategic Risk Management Training for Female Farmers and Ranchers in Montana." U.S. Department of Agriculture Risk Management Agency Small Sessions Division (USDA RMA). PI: Dana Hoag. Co-PIs: Keske and Jay Parsons. October 1, 2007-September 30, 2008. \$10,000. Grant # 07-IE-0831-0077-E

Description of Multi-Investigator Work: Co-PI Keske delivered two risk management programs that she customized for female agricultural producers in Montana.

2006-2007 "Specialized Strategic Risk Management Training for Female Farmers and Ranchers in Colorado and Nearby States". U.S. Department of Agriculture Risk Management Agency (USDA RMA). October 1, 2006-November 30, 2007. PI: Dana Hoag. Co-PI: Keske. \$125,000. Grant# 06-IE-0831-0169-C

Description of Multi-Investigator Work: Co-PIs developed and implemented two risk management programs to female agricultural producers in Colorado. Co-PIs also developed a survey and supervised data collection of risk preferences and actions. Co-PIs developed a workbook for female agricultural producers to use during workshops. Data collected from this project also funded a graduate student and resulted in a journal article.

2005 "Vegetation and Trail Restoration Using a Vegetative Screening Procedure in Seed Collection Projects". Funded by the Foundation for Sustainability and Innovation, Laguna Beach, CA. Start and End Dates: January 15-June 15, 2005. Co-PI: John Giordanengo (Colorado Fourteeners Initiative, Golden, CO). \$10,000.

External, Competitive "Workgroup Mini-grants" intended to fund multi-disciplinary activities and grant proposal writing

2010-2011 "Assessment and Mitigation of Whole Farm Sustainability and Emissions from Dairy Production Systems in the Arid West". USDA-AFRI-NIFA Climate change planning grant. PI: April Leytem (USDA-Agricultural Research Service, Idaho). Co-PIs: Keske, Dave Bjorneberg, Dave Dungan, Robert Ippolito, Jim Tarkalson, David Moore, Amber Moore, J.D. Wulfhorst, Chris McIntosh, Ermias Kebreab (University of California-Davis). September 1, 2010-August 31, 2011. \$50,000.

2009 "The Disappearing Cryosphere: Socioeconomic Consequences for Ecosystem Services." National Science Foundation Cross-site LTER Research Workgroup Grant. PI: Hugh Ducklow (Woods Hole, MA LTER). Co-PIs: Keske, Andrew Fountain, Susan Capalbo. December, 2009. \$10,000.

2007 "Ecosystem Services from Working Lands: Cross-site LTER Research" Leadership Grant for Social Scientists. National Science Foundation Long Term Ecological Research (LTER) Network Office Working Group Grant. PI: Scott Swinton (Michigan State University). Co-PIs: Keske and eight others. April 11-April 13, 2007. \$8,150.

2005 National Science Foundation, Competitive Grant for Economic Classroom Experiments Training and the Economic Science Organization, \$2,000, June 20-22, 2005. Montreal, Quebec. PI: David Reilly.

2004-2005 "Assessing Waste Products as Input Fuels in the Cement Manufacturing Process". \$15,000 to lead undergraduate engineering research project. Sponsored by HOLLIM Cement Manufacturing and the Colorado School of Mines. PI: Bob Knecht. Co-PI: Keske. May 1, 2004-May 31, 2005.

Externally-Funded Projects as Investigator or role other than PI or CoPI

2010-2015 “Adapting Livestock Systems to Climate Change Collaborative Research Support Program.” USAID Livestock and Climate Change Collaborative Research Support Program (LCC-CRSP) Leadership Award. PI: Dick Bowen. Director: Jessica Davis. Collaborator: Keske. April 2010-April 2015. \$15,000,000.

Description of Interdisciplinary Work: From April 2010-April 2011, Keske’s West Africa work (eg. Personal connections, market research data) in environmental economics served to inform the larger CRSP project.

2010-2013 “Adapting Livestock Systems to Climate Change in Mali”. USAID Associate Award. PI: Jessica Davis. Collaborator: Keske. October 1, 2010-September 30, 2013. \$450,000.

Description of Interdisciplinary Work: Keske’s work in West Africa has provided continuity between multiple research projects taking place in the region. For example, Keske has been able to provide direct input into the decision making process of locating a poultry hatchery in the West African nation of Mali.

Externally-Funded Pending Projects as Co-PI

2012 On-farm Cyanobacterial Bio-fertilizer Production to Optimize Organic Vegetable Yields and Profitability. \$1,502,914. PI: Jessica Davis. Co-PIs Rich Conant, Keske, Frank Stonaker.

2012 Building Resilience into Western Dairy Production Systems to Adapt to and Mitigate Climate Change. USDA AFRI CAP. PI: Ermias Kebreab University of California-Davis. Keske as PI for Colorado State University. \$791,000 sub-contract part of \$8,000,000 total proposal. July 1, 2012-June 30, 2017.

2012 Routes to Sustainability for Natural Gas Development and Water and Air Resources in the Rocky Mountain Region. PI: Joseph Ryan. National Science Foundation CSU Sub-contract \$629,586 of \$12,000,000 proposal. September 2012-September 2017.

2012 Developing a Viable Bioenergy Economy in the Western United States: Feedstock Development for Advanced Cellulosic Biofuels and Value-Added Chemical Co-Production from Waste Streams. PI: Dr. Calvin Pearson.

Internally-Funded Awards and Internally Funded Sub-Awards

2011-2012 “Expanding the Total Benefit Pricing of Green House Gas Emission Reduction in the Colorado Electricity Sector”. CSU/GEO Greening the Government Initiative. PI: Catherine Keske \$10,000.

2011-2012 “Estimating the Carbon Footprint of Beef Production in Colorado.” Colorado State University Agricultural Experiment Station and Office of Dean of College of Agricultural Sciences. PI: Jay Ham. Co-PIs: Steve Koontz, Keith Paustian, Sybil Sharvelle, Kraig Peel, Jason Ahola, Dale Woerner, Joshua Goldstein, Joe Brummer, Jessica Davis, Keske. May 1, 2011-May 30, 2012. \$40,000.

Description of Interdisciplinary Work: Co-PI Keske is advising an undergraduate honors student who will collect market price and environmental impact data on grassfed beef. This data will be integrated into an interdisciplinary life cycle assessment of grassfed beef in Colorado.

2011 “Online Course Development Proposal: AGRI 638 Ecosystem Services on Agricultural Lands”. Colorado State University College of Agricultural Sciences On-line Course Development Grant. PI: Kraig Peel. Course Instructor: Keske. January 2011-August, 2011. \$2,500.

Description of Multi-Investigator Work: Dr. Kraig Peel secured competitive internal funding for Keske to develop an on-line version of AGRI 638.

2010-2011 “Undergraduate Curriculum Development for an Interdisciplinary Bioenergy Concentration Capacity Building Project Proposal to the CSU Clean Energy Supercluster”. Capacity Building Project Proposal to the CSU Clean Energy Supercluster. PI: Keske. Co-PIs: Jerry Johnson (Soil and Crop Sciences), Jay Ham (Soil and Crop Sciences), Joe Brummer (Soil and Crop Sciences). April 2010-April 2011. \$7,500.

Description of Multi-Investigator Work: PI Keske led the team to develop an interdisciplinary undergraduate bioenergy curriculum in the Dept. of Soil and Crop Sciences. The current intention is for the undergraduate

concentration to be offered in 2012.

2010-2011 “Developing a Technology-Neutral, Benefit-Pricing Policy for the Colorado Electricity Sector.” Colorado State University Clean Energy Supercluster. PIs: Terry Iverson and Gregory Graff. Collaborators: Keske and Samuel Evans. April 2010-March 2011. \$15,000.

Description of Multi-Investigator Work: This grant provided seed money that led to the GEO project funded in July 2010, for which Keske was PI.

2011-2013 “CSU SOGES Global Challenges Research Team Mini-Grant ‘Managing for Resilience’”. PI: Dennis Ojima. Co-PIs: Michelle Betsill, Scott Denning, Kathy Galvin, Keske, Jorge A. Ramirez, and Robin Reid. June 1, 2011-May 31, 2012. \$2,000.

Description of Multi-Investigator Work: Co-PIs will use this funding to sponsor a guest speaker, and to seek external funding.

2011-2013 “CSU SOGES Food, Energy, and Waste Global Challenges Research Team”. PI: Susan DeLong. Collaborators: Keske, Thomas Bradley, Cecil Stushnoff, Jessica Davis, Mary Strongberger, Yaling Qian, Frank Stonaker, Robin Reid.

Description of Interdisciplinary Work: Keske will share a graduate student with the other investigators to conduct interdisciplinary research in the three focus areas.

2010-2011 “Biochar: An Assessment of Potential Energy, Environmental and Economic Benefits”. CSU Clean Energy Supercluster. PI: Francesca Cotrufo. Co-PIs: Morgan DeFoort and Keske. April 1, 2010-April 30, 2011. \$20,000.

Description of Multi-Disciplinary Work: Co-PI Keske investigated the current supply chain and market demand for biochar in Colorado. Funding from this seed grant has been used to secure additional project funding.

2009-2010 “Expanded Economic Opportunities for Algae-based Biofuel Production, Using the Remaining Extract as a Feed for Animals” CSU Sustainable Biofuels Development Center Internal Grant. PI: Shawn Archibeque (Animal Science). Co-PIs: Keske, Terry Engle (Co-PI, Animal Science), Bryan Willson (Co-PI, Mechanical Engineering). January 1, 2009-March 31, 2010. \$75,000.

Description of Multi-Disciplinary Work: Co-PI Keske developed a low cost feed ration model to determine the minimum price required for algal meal (left over from algae production) to become an economically viable co-product.

2009 CSU Monfort Professor in Residency Grant for Sponsorship of Guest Lecturer Lester Brown. PIs: Keske and Jessica Davis. September 22, 2009-November 20, 2009. \$10,000.

Description of Multi-Investigator Work: PIs Keske and Davis used funding to host Lester Brown of the Earth Policy Institute. The lecture generated more than 700 attendees, and included individual meetings between Mr. Brown and faculty & graduate students.

2009 “CSU SOGES Workgroup Development Grant.” Awarded to Institute for Livestock and the Environment. CSU internal grant submission by Jessica Davis (Soil and Crop Sciences) and Institute for Livestock and the Environment (ILE) core strategic planning team members to CSU School of Global Environmental Sustainability (SOGES). PI: Jessica Davis. January 1, 2009-June 30, 2009. \$10,000.

Description of Multi-Disciplinary Work: Keske has served as Associate Director for the Institute for Livestock and the Environment since early 2009.

2009-2010 “Teens on Farms Project” CSU Extension Innovations Grant. Co-PIs Edward Page, Isaac Munoz, Keske, and Cassandra Shenk. August 1, 2009-July 31, 2010. \$8,693.55.

Description of Multi-Disciplinary Work: Co-PI Keske helped to write the project proposal that provided seed money for starting this extension project in Paonia, Colorado.

2008-2009 “CSU Clean Energy Supercluster Multidisciplinary Workgroup for Biofuel from Oilseed Crops in Colorado”. CSU PIs: Jerry J. Johnson, Patrick Byrne, Gary Peterson. Co-PIs: Shawn Archibeque, Neil Hansen, Alan Helm, Keske, John McKay, Dan Olsen, Meg Wilson. October 1, 2008 - April 30, 2009. \$15,000.

Description of Multi-Disciplinary Work: Co-PI Keske used seed money from this grant to write a project

proposal that was funded by USDA AFRI-NIFA to fund masters student graduate assistantships.

PAPERS PRESENTED/SYMPOSIA/INVITED LECTURES/PROFESSIONAL MEETINGS/WORKSHOPS

Refereed

Keske, C.M.H., A. Brandess, D. Hoag, and C. Pearson, 2012, The Economic Feasibility of Bio-Butanol on Marginal Lands in Western Colorado poster presentation at the Agricultural and Applied Economics Association (AAEA) meetings, August 12-14, 2012. Seattle, Washington.

A. Brandess, **C.M.H Keske,** D. Hoag, and J. Johnson, 2012, "Profitability of Camelina Sativa as a Biofuel Feedstock in Northeastern Colorado" for presentation at the annual meetings, June 20-22, 2012, Park City, Utah.

July 31, 2011. Cross, J. C.M. Keske, and P. Bixler. It's All About Context: the Social Dimensions of Perceived Land Use Change in the Intermountain West. Rural Sociological Society and Rural Community Development Society Meeting. Boise, Idaho. Refereed.

February 23, 2011. Cropper, E., Bastian, C.T., McLeod, D.M., Keske, C.M.H., Hoag, D.L.K., Cross, J. Factors Impacting Land Trusts' Demand for Conservation Easements. Presentation at W-2133 Meeting. Albuquerque, NM, Refereed.

June 30, 2011. Cropper, E., D.M. McLeod, C.T. Bastian, C.M. Keske, D.L. Hoag, and J.E. Cross. Land Trusts' Demand for Conservation Easements in the Intermountain West. Presentation at the 2011 Western Agricultural Economics Association and Canadian Agricultural Association Joint Meeting. Banff, Canada. Refereed.

July 26, 2010. Lohman, G., Keske, C.M.H., and J.B. Loomis. "Verbiage Matters: High Individual WTP for High Mountain Recreation in a CVM Model". Poster presentation at American Agricultural Economics Association, Western Agricultural Economics Association, and Canadian Agricultural Economics Association Joint Annual Meeting. Refereed.

July 26, 2010. Loomis, J.B., Keske, C.M.H., and G. Lohman. "Did the Great Recession Reduce Visitor Spending and Willingness to Pay for Nature-Based Recreation? Evidence from 2006 and 2009". Poster presentation at American Agricultural Economics Association, Western Agricultural Economics Association, and Canadian Agricultural Economics Association Joint Annual Meeting. Refereed.

October 3, 2010. McGaffin, G., C. T. Bastian, P. Dewell, C. M. Keske, C. West, D. L. Hoag, and D. M. McLeod. "Do Landowners Trust Land Trusts? Debunking Myths on Landowner Conservation Easement Preferences." Selected workshop presentation. The National Land Conservation Conference. Hartford Connecticut. Refereed.

August 1, 2009. Cross, J., C.M. Keske, M.G. Lacy and C.T. Bastian. Dimension of Sense of Place and Attitudes Towards Conservation Easements. Presented by Cross at Rural Sociological Society Meeting. Madison, WI. Refereed.

November 19, 2009. Evans, S., C.M. Keske and D.L. Hoag "Economic Feasibility of Anaerobic Digesters in the Mountain West." Institute for Livestock and the Environment 2009 Stakeholder Summit. Fort Collins, Colorado. Poster selected for 3rd place in graduate student poster contest. Refereed.

June 26, 2009. Keske, C.M. "New West, Old West, What's Best?" Symposium for Western Agricultural Economic Association Annual Meeting. Kauai, Hawaii. Refereed.

June 26, 2009. Keske, C.M., S. Smutko, and C. Doyle. "Using Audience Response Systems to Assess Rural Stakeholder Preferences". Paper presented in "New West, Old West, What's Best?" Symposium for Western Agricultural Economic Association Annual Meeting. Kauai, Hawaii. Refereed.

June 25, 2009. McGaffin, G.H. D.M. McLeod, C.T. Bastian, C.M. Keske and D.L. Hoag. 2009. "Identifying Influential Factors for Colorado and Wyoming Landowners regarding Conservation Easement Acceptance." Presented by McGaffin at the Western Agricultural Economics Association Meeting in Kauai, Hawaii. Refereed.

February 21, 2009. McLeod, D.M., C.T. Bastian, C.M. Keske and D.L. Hoag. 2009. "The Market for Conservation Easements: Evidence from Stated Choice Surveys in the West." Presented by McLeod at the W2133 Meeting in San Antonio, TX. Refereed.

September 21, 2008. Keske, C.M. "Effective Conservation Easement Stewardship for Volunteer Organizations". The National Land Conservation Conference (Land Trust Alliance Rally). Pittsburgh, Pennsylvania. Refereed.

June 27, 2008. Keske, C.M. and J.B. Loomis. "The Economic Value of Novel Means of Ascending High Mountain Peaks: A Travel Cost Demand Model of Automobile Drivers, Cog Railway Riders, and Hikers." Western Agricultural Economic Association Annual Conference, Big Sky, Montana. Refereed.

June 27, 2008. Loomis, J.B. and C.M. Keske. "Peak Load Pricing of High Alpine Peaks to Reduce Environmental Damage: Is the Reduction in Use Due to Substitution Effect of Income Effect". Western Agricultural Economic Association Annual Conference, Big Sky, Montana. Refereed.

June 26, 2008. Bastian, C.T., C.M. Keske, S. Swallow, D. L. Hoag, E. Uchida, C. Anderson, D.M. McLeod, and A.D. Miller. WAEA Invited Symposium: "Emerging Markets for Environmental Goods: Can the Market Solve Such Problems?" Western Agricultural Economic Association Annual Conference, Big Sky, Montana. Keske as moderator. Refereed.

June 26, 2008. Bastian, C.T., C.M. Keske, D.L. Hoag, D.M. McLeod, and A.D. Miller. "Factors Impacting the Potential Supply of and Demand for Development Rights in the Emerging Market for Conservation Easements." Paper in WAEA Accepted Symposium: Emerging Markets for Environmental Goods: Can the Market Solve Such Problems? Western Agricultural Economic Association Annual Conference, Big Sky, Montana. Refereed.

June 25, 2008. Goldbach, R.L., C.M. Keske and D.L. Hoag. "Gender Differences in Producers' Perceived and Revealed Risk-Taking Behaviors". Western Agricultural Economic Association Annual Conference, Big Sky, Montana. Refereed.

September 10, 2007. Hoag, D.L., J. Ascough, E. Fathelrahman, and C.M. Keske. "Stakeholder Payoff Matrix for Disparate Tradeoffs", Invited paper. Sicily, Catania, Italy. International Farming Systems Design Conference. Refereed.

August 1, 2007. Hoag, D.L., C. M. Keske, C.T. Bastian, D.M. McLeod, and A.M. Miller. "What Are Landowners and Land Trusts Trying to Preserve with Conservation Easements? A Simultaneous Examination of Buyers and Sellers." Western Agricultural Economic Association Annual Conference. Refereed.

August 1, 2007. Keske, C.M. and J.B. Loomis. "Regional Economic Development and Net Economic Values of Public Access to Colorado Fourteeners." Western Agricultural Economics Association Annual Conference. Refereed.

October 6, 2007. Keske, C.M. and M. Strunk. "Using Photography and Stories of the Land to Preserve a Community's Sense of Place." Land Trust Alliance Annual Conference. Refereed.

July 30, 2007. Keske, C.M., D.L. Hoag and C.T. Bastian. "Internalizing Externalities When There Are Significant Private Non-market Rents." American Agricultural Economics Association Annual Conference. Refereed.

October 13, 2006. Keske, C.M., D.L. Hoag, C.T. Bastian, and D. McLeod. "What Did Your Peers Tell Us about Land Conservation?" Land Trust Alliance Annual Conference, Nashville, Tennessee. Refereed.

June 29, 2006. Hoag, D.L, C.M. Keske, and M.G. Lacy. "Conservation Easements on Ag Lands: The Influence of Income, Tax Policy, and Other Factors" Western Economic Association Annual Conference, Anchorage, Alaska. Refereed.

June 30, 2006. Keske, C.M., D.L. Hoag, C.T. Bastian, and D.L. McLeod. "Waste Not, Want Not: Getting More Value of Focus Groups about Conservation Easements" Western Agricultural Economics Association Annual Conference, Anchorage, Alaska. Refereed.

Non-refereed

- April 18, 2012** Keske, C.M.H. Energy, Technological Innovation, and Long Term Economic Stability. Colorado State University Clean Energy Supercluster Annual Meeting.
- November 8, 2011** Keske, C.M.H. Update: Using Mountain Ecosystem Services to Provide Sustainable Economic Growth and Job Development in Rural Communities. Panelist and presenter at The AFRI-Small and Medium Sized Farms & Rural Development FY 2012 Project Director Meeting, Miami, FL. Hosted by The Northeast Regional Center for Rural Development at: <http://nercrd.psu.edu/AFRI.PD.Meeting/2012.CombinedPD.Mtg.Pres.html>
- June 2, 2011** Bastian, C.T., D. M. McLeod, G. McGaffin, C. M. Keske, and D. L. Hoag What are landowners looking for in a conservation easement? Results from a survey, Invited and presented at the 2011 Wyoming Conservation Easement Conference. University of Wyoming College of Law Rural Law Center. (Presented by Bastian).
- April 20, 2011** Cotrufo, M.F., M. DeFoort, C.M.H. Keske, C. Stewart, J. Field, G. Lohman, and J. Zheng. Biochar: An Assessment of Potential Energy, Environmental, and Economic Benefits. Poster Presentation at Colorado State University Clean Energy Supercluster Annual Meeting.
- April 20, 2011.** Graff, G., T. Iverson, C. Keske, S. Evans, and L. Hans. 2011. Developing a Technology-Neutral Benefit Pricing Policy for the Electricity Sector. Poster Presentation at Colorado State University Clean Energy Supercluster Annual Meeting.
- April 20, 2011.** Keske, C.M. 2011. Undergraduate Curriculum Development for an Interdisciplinary Bioenergy Concentration. Poster Presentation at Colorado State University Clean Energy Supercluster Annual Meeting.
- March 3, 2011.** Callahan, M., D. Zimmerle, T. Bradley, C.M. Keske, and R. Duthu. 2011. Financial Models for Electric Utility Market Transformation. Poster presentation at Joint Institute for Strategic Energy Analysis Annual Meeting. Golden, Colorado.
- April 20, 2011.** Keske, C.M. and G. Lohman. 2011. Biochar: An Economic Assessment of the Viability in the State of Colorado. Poster Presentation at Colorado State University Clean Energy Supercluster Annual Meeting.
- March 24, 2011.** Keske, C.M. Regional Economic Considerations for Biofuel/Biomass Production. 2011. Western Colorado Carbon Neutral Bioenergy Consortium (WCCNBC) Conference "Biomass for Biofuels: Economic Development in Western Colorado. Colorado Mountain College. Rifle, Colorado. Available online: <http://www.youtube.com/watch?v=vTjw6yeDeFM>
- November 22, 2010.** Keske, C.M.H. 2010. USDA AFRI NIFA AFRI – Rural Development Project Director’s Webinar. Using Mountain Ecosystem Services to Provide Sustainable Economic Growth and Job Development in Rural Communities. <http://nifa-connect.nifa.usda.gov/p69718383/>
- March 5, 2009.** Davis, J.D. and C.M. Keske. “Nitrogen Deposition in Rocky Mountain National Park.” Science on the Hill. United States Capital Building.
- October 22, 2009.** Keske, C.M. “Using Mountain Ecosystem Services to Provide Sustainable Economic Growth and Job Development in Rural Communities”. Annual Project Director’s Meeting, U.S. Department of Agriculture NIFA/NRI Program. Washington, D.C.
- September 14, 2009.** Keske, C.M. “Regional Economic Development & Net Economic Values of Public Access to Colorado Fourteeners”. Long Term Ecological Research Grant All Scientists’ Meeting Cryosphere Workgroup. Estes Park, Colorado.
- April 17, 2009.** Keske, C.M. “Risk and Women in the Legal Profession”. Wyoming Women’s Legal Forum. Saratoga, Wyoming.
- October 15, 2008.** Bastian, C. T., C. M. Keske, D. L. Hoag, D. M. McLeod and A. D. Miller. "Factors Impacting the

Potential Supply of and Demand for Development Rights in the Emerging Market for Conservation Easements", Invited Seminar Presentation at Colorado State University, Department of Agricultural and Resource Economics. (Presented by Bastian).

November 13, 2008. Keske, C.M. Poster Presentation, "Economics, Agriculture and the Environment". Institute for Livestock and the Environment Stakeholder Research Symposium, Golden, Colorado.

July 28, 2008. Bastian, C. T., D. M. McLeod, D. L. Hoag, C. M. Keske, and A. D. Miller. "Factors Affecting Rural Land Preservation: Agricultural Production and Amenity Preservation Through Emerging Markets," USDA National Research Initiative Grant Program Project Directors Meeting, New Hampshire.

August 2, 2007. Bastian, C.T., D.M. McLeod, D.L. Hoag, C.M. Keske, and A. Miller. "Factors Affecting Conservation Easements for Rural Land Preservation: Agricultural Production and Amenity Preservation Through Emerging Markets," Rural Sociological Society Meeting. Santa Clara, CA.

September 8, 2007. Keske, C.M. "The Economic Value of Colorado Fourteeners: A Summary of the Research to Date." 2007 Friends of the Forest Trail Maintenance Kick-Off. Alma, Colorado.

March 8, 2007. Keske, C.M. "Regional Economic Development & Net Economic Values of Providing Access to Colorado 14ers: Important Considerations for Non-Profit Organizations" Seminar with Colorado Fourteeners Initiative and Colorado Mountain Club.

June 20, 2007. Miller, A., C.T. Bastian, D.M. McLeod, C.M. Keske, and D.L. Hoag. "Agricultural Landowners' Preferences for Conservation Easements and Conserving Amenities." 13th International Symposium on Society and Resource Management (2007), Salt Lake City, Utah.

October 2, 2005. Holt, C., Dutra, J., Elbittar, A., Fried, H., Halevy, Y., Keske, C., Qi, L. 2005. "The Regional Development Game." ESA North American Meeting. Tucson, AZ.

July 7, 2005. Keske, C.M. "Market Days: Using Active Trading to Teach Market Fundamentals to Undergraduate Economics Students" Western Agricultural Economics Association Annual Conference (2005) San Francisco, California.

September 9, 2004. Keske, C.M. "Market Days: Using Active Trading to Teach Market Fundamentals to Undergraduate Economics Students" Economics and the Classroom Conference sponsored by Idaho State University (2004) Jackson Hole, Wyoming.

May 13, 1994. Hall, J.W. and C.M. Keske. "Clinical experience with central auditory processing disorders (CAPD)" American Academy of Audiology Annual Conference (1994) Richmond, Virginia.

July 19, 1993. Hoemann, H.W. and C.M. Keske. "Proactive interference and language change in hearing adult students of American Sign Language" American Psychological Association Annual Conference (1993) Toronto, Canada.

September 10, 1998. Keske, C.M. "The audiologist as a communication link between industry and the office" Academy of Dispensing Audiologists Annual Conference (1998) Monterey, California.

October 23, 2001. Keske, C.M. "Digital disposable hearing aids: The next generation of technology" Academy of Dispensing Audiologists Annual Conference (2001) Asheville, North Carolina.

February 19, 1998. Keske, C.M. "The Role of the Audiologist in the Hearing Aid Industry" Minnesota Academy of Audiology Annual Conference (1998) St. Paul, Minnesota.

April 19, 1997. Keske, C.M. and D.A. Smriga. "Hearing aid selection using the auditory loudness mapping and Scal-Adapt software" American Academy of Audiology Annual Conference (1997) Fort Lauderdale, Florida.

April 6, 1996. Smriga, D.A., and C.M. Keske. "Using Loudness Mapping to Fit WDRC Hearing Aids" American

Academy of Audiology Annual Conference (1996) Salt Lake City, Utah.

October 17, 1996. Smriga, D.A., and C.M. Keske. "Using Loudness Mapping to Fit WDRC Hearing Aids" Academy of Dispensing Audiologists Annual Conference (1996) Las Vegas, Nevada.

SOFTWARE DEVELOPMENT

Technical and Economic Decision Tools for Anaerobic Digestion Projects. Development of economic decision tools. <http://www.engr.colostate.edu/adtool/>

Risk Navigator Strategic Risk Management Tools. Co-Development Risk Profiler and Risk Ranker electronic tools. www.risknavigatorsrm.com

TEACHING:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u>Cr. Hrs.</u>	<u>Enrollment</u>
2006	Fall	AREC/ECON 335 Introduction to Econometrics	3	2 sections of 40
2008	Spring	AREC/ECON 335 Introduction to Econometrics	3	2 sections of 40
2010- 2012	Spring	AGRI 638 Ecosystem Services on Ag Lands <i>Comment: Interdisciplinary course for Master of Agriculture Students as part of IRM program</i>	3	15 Masters
2010- 2012	Spring	AGRI/ENGR 681 Bioenergy Assessment <i>Comment: Co-designed this Ph.D.-level bio-energy course. Responsible for teaching 35%.</i>	3	6-15 Ph.D.
2010	Spring	SOCR/CIVE 481 Waste and Water Recycling <i>Comment: Co-designed course and responsible for teaching 40%. Course continues to be offered in engineering, and was invited as a CSU SOGES course.</i>	3	20 Masters/Ph.D.
2011	Summer	AGRI 638 Ecosystem Services on Ag Lands (online)	3	15 Masters
2008- 2012	Spring	LAWS 4452 Environmental Economics	3	16 J.D./L.L.M. per semester
2010	Fall	LAWS 4701 Energy Economics (online)	3	10 J.D./L.L.M.
2011/ 2012	Summer	LAWS 4701 Public Utility Regulation	3	16 J.D./L.L.M.
<i>Comment: Courses taught at Denver University Sturm School of Law are interdisciplinary. Courses are taught to J.D. students and to graduate students, including practicing attorneys seeking a master's degree (L.L.M.) in natural resource and environmental law.</i>				
2006	Fall	ECON 201 Macroeconomics at UNC—Greeley	3	3 sections of 60

Course Description

LAWS 4701 Public Utility Regulation: This course was co-taught with a senior policy analyst from the Colorado Governor's Energy Office. Guest speakers included Xcel Energy President David Eves, Tri-State Energy CEO Ken Anderson, Colorado House Representative Max Tyler, Public Utilities Commissioner Matt Baker, and former Commissioner Ronald Binz. The author of the textbook, Peter Fox-Penner, also lectured through video conference. This was a new prep course that integrates my niche area of economics and law.

LAWS 4452 Environmental and Natural Resource Economics: This course has been taught four semesters to law students, graduate students, and to practicing attorneys returning for a master's degree in environmental and natural resource law. The course covers law and economics, policy making, sustainable development, and

economic modeling.

SOCR/CIVE 481 Waste and Water Recycling: This interdisciplinary course was created and co-taught by three faculty members from different disciplines. It was also accepted as a SOGES course. In 2011, funding was only available for one course instructor.

AGRI/ENGR 638 Bioenergy Assessment: This interdisciplinary course is required for MAS-IGERT bioenergy Ph.D. students and the Master of Science oilseed students. I have co-taught the course with four other faculty, although I have not been provided funding to do so.

Examples of Course Improvements

I have re-designed AGRI 638 (Ecosystem Services on Ag Lands), which is offered as part of the Integrated Resource Management Program and results in a Master of Agriculture degree. I have also developed an on-line version of this course.

At the Denver University Law School I created a new course called LAWS 4701 Energy Economics, but redesigned this course after one semester to better meet student demand. The course is now LAWS 4701 Public Utility Regulation.

Development of New Courses

I have co-developed two new courses at CSU:

- AGRI/ENGR 681 Bioenergy Assessment
- CIVE/SOCR 481 Waste and Water Recycling

I developed three new courses at the Denver University Sturm School of Law:

- LAWS 4452 Environmental and Natural Resource Economics
- LAWS 4701 Energy Economics (offered as an experimental on-line course during fall 2010)
- LAWS 4701 Public Utility Regulation (re-designed after the fall 2010 experimental course)

Participation in Professional Development Activities Related to Teaching

Colorado State University Center Director for Colorado Council on Economic Education

Responsibilities: Develop curriculum and administer continuing education programs for teachers seeking to fulfill annual licensing continuing education requirements. Evaluate writing requirements, and serve as professor of record for these programs. Serve as contact for the state/national network, answer questions as needed, and serve in consulting role for the Colorado Council: <http://www.ccee.net>

Continuing Education Presentations

- A. Delivery of continuing education programs for Colorado teacher licensing requirements through the Colorado Council on Economic Education

November 12, 2011. “Energy Policies Toward a Better World—the U.S. and E.U.” Colorado Council for Economic Education. Denver, Colorado.

December 4, 2010. “Carbon Economy.” Colorado Council for Economic Education. Denver, Colorado.

April 20, 2010. “Economics of Alternative Energy in Colorado.” Sponsored by Colorado Council for Economic Education & Denver Science Museum. Denver, Colorado

July 7, 2009. “Energy Economics”. Colorado Council for Economic Education. Denver, Colorado.

- B. Programs for continuing education attorney CLU credits

February 12, 2010. “Sustainable Development, Corporate Governance, and International Law”. American Branch of the International Law Association. Ved Nanda Center for International Law & International Legal Studies Program. Denver Journal of International Law & Policy. University of Denver Sturm College of

Law.

C. International Teaching

June 13, 2010 China Agricultural University sponsored guest lecture on environmental economics and resource management in rural communities.

STUDENT ADVISING/GRADUATE SUPERVISION

Ph.D.: Current Advisees: Greta Lohman, Adviser CSU 2010-present, IGERT MASB Fellow (Expected graduation 2015)
Andrew Brandess, Adviser CSU 2011-present, IGERT MASB Fellow (Expected graduation 2015)

Ph.D. Independent Study/Project Supervision:

Paul Tanger, CSU IGERT Rotation Adviser CSU Spring 2010
Patrick Bixler, Independent Study Adviser CSU Spring 2011
Adam Mayer, Independent Study Advisor CSU Spring 2012

Master of Science: By date of graduation or expected graduation

2012: Andrew Brandess, Major Adviser CSU 2010-2012 (M.S. in Ag and Resource Economics 5/2012), USDA AFRI NIFA Fellow
Arunachalam Lakshminarayanan, Committee Member (Master of Engineering 12/2012)
Jeffrey Lasker, Committee Member (Master of Engineering 5/2012)
Cristian Robbins, Committee Member (Master of Engineering 5/2012)
Andrew Arrell, Major Adviser (Master of Agriculture 12/2012)

2011: Shannon Clark, Major Adviser CSU (Masters of Agriculture 12/2011)
Stephen Goodwin, Committee Member (Masters of Engineering, 12/2011)
Christopher Henry, Committee Member (Master of Science in Forestry 8/2011)

2010: Greta Lohman, Major Adviser CSU (Master of Science in Soil and Crop Sciences 12/2010)
Morgan Davis, Committee Member CSU (Master of Engineering, 12/2010)
Benjamin Geller, Committee Member CSU (Master of Engineering)
Eric Cropper, Committee Member University of Wyoming (Master of Science in Agricultural and Resource Economics 5/2010)

2008: Rebecca Goldbach, Major Adviser, CSU (M.S. in Agricultural and Resource Economics (12/2008))
2007: Michael Verdone, Advising Committee Member, CU-Denver (M.S. in Economics 12/2007)

Bachelor of Science Honors Committees:

2008: Cassie Fiscus, CSU Honors Thesis Committee Member (B.S. 12/2008)
2006: Matthew Friedell, CSU Undergraduate Independent Study Advisee (B.S. 12/2006)

Clubs: University of Northern Colorado Snowboarding Club Faculty Adviser (2006/07)
UNC Outstanding Club President Nate Giska (Spring 2007)

UNIVERSITY COMMITTEES

Elected to Colorado State University Disciplinary Panel (2011-2014; 3-year term)
Institute for Livestock and the Environment Research Coordinator Search Committee (2009)
Committee Chair: Design of Undergraduate Biofuels Concentration (2010)

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Professional reviews for the following journals: Agricultural Economics Society, Journal of Environmental Management, American Journal of Agricultural Economics (AJAE), Tourism Management, Journal of Hospitality Marketing & Management, Ecological Economics, Human Dimensions of Wildlife, Landscape and Urban Design, Utilities Policy

Professional reviews for the following agencies: U.S. Department of Interior, Colorado State Trails Grant, Mosquito Range Heritage Initiative, Colorado Mountain Club and Colorado Fourteeners Initiative, USDA AFRI-NIFA

Grant panel: USDA AFRI-NIFA Weedy and Invasive Species Grant Panel (September 2009)

Editorial Board: Utilities Policy

Memberships in professional societies:

Elected to Western Agricultural Economics Association Board of Directors (2010-2013; 3-year term)

- Refereed Paper Committee Chair for 2012 meetings in Park City, Utah (serving 2011-2012)
- Awards Committee Co-Chair for 2011 annual meetings in Banff, Canada (served 2010-2011)

Western Agricultural Economics Association Member (2005-present)

Western Center for Integrated Resource Management (Colorado State University 2010- present)

CSU Institute for Livestock and the Environment

Associate Director (2008-present)

Strategic Planning Core Team Member (2007-present)

CSU Center for Agriculture and Energy (2011-present)

Board of Directors: Teens on Farms, Delta, Colorado (2009-2010)

Board of Directors: Mountain Area Land Trust, Evergreen, Colorado (2005-2008)

- Chair of Land Stewardship Committee (2005-2006; 2006-2007)
- Lands Committee (2005-2006, 2006-2007, 2007-2008)
- Chair of the Nominating Committee (2007-2008)
- Executive Committee (2007-2008)
- Board Secretary (2007-2008)

NSF Faculty Affiliate, Short Grass Steppe LTER Site (2006-2010)

NSF Faculty Affiliate, Niwot Ridge LTER Site (2009-present)

Colorado Mountain Club Conservation Advisory Council (2009-present)

Agricultural and Applied Economics Association Member (2006-present)

OTHER ACTIVITIES/ACCOMPLISHMENTS – SERVICE/OUTREACH

Expert testimony:

Colorado Senate Judiciary Committee re: SB 12-056 (March 15, 2012)

Colorado Senate Committee on Health and Human Services re: SB-11-187(March 23, 2011)

Colorado Senate Committee on Finance re: H.B. 11-1005 and SB-11-187 (April 19, 2011)

Modification of Colorado Chief Justice Directives 04-08 (July 15, 2011)

Keske, C.M.H. 2010. “New Model for Power Pricing: Scope and Findings of Study.” Expert testimony before Colorado Public Utilities Commission during Commissioner Information Meeting, and broadcast through webinar. December 17, 2010.