

## **Roger H. Coupal**

### **Department of Agricultural and Applied Economics**

- 2018- present      Professor, *Department of Agricultural and Applied Economics, University of Wyoming,*
- 2005 – 2017      *Department Head, Department of Agricultural and Applied Economics, University of Wyoming,*
- 1997 – 2015      Assistant and Associate Professor and Community Development Specialist, Department of Agricultural and Applied Economics, University of Wyoming,
- 1988- 1990      AP Research and Extension Assistant, Agricultural Economics and Rural Sociology, University of Idaho
- 1985 - 1987      Research Assistant to Ford Foundation Project, Agricultural and Resource Economics, U. of Arizona. Worked with the Salt River Pima Maricopa Indian Reservation.
- 1983 - 1985      Graduate Research Assistant, Agricultural and Resource Economics, U. of Arizona
- 1979 - 1981      Volunteer, Peace Corps Guatemala, Santa Maria Visitacion, Solola. Forestry and soil conservation.

**EDUCATION:** Ph.D. Washington State University, 1997; M.S. University of Arizona, 1985; B.S. Utah State University 1978

#### **CURRENT PROJECTS:**

##### **Competitive Grant Research**

Hufford, K., F. Nippgen, R. Coupal, E. Gage. Evaluating Post-mining Landscapes: Contrasting Ecosystem Functions and Economic Feasibility of Geomorphic and Traditional Reclamation.

Regional Environmental Economic impact model NSF EPSCOR Sustainable socio-economic, ecological, and technological scenarios for achieving global climate stabilization through negative CO2 emission policies NSF EPSCOR

Economic Impact of the Wyoming State Parks and Cultural Resources (Center for Business Economics and Analytics funding in process)

##### **Current Extension and Applied Research Projects**

Economic Impact of Agriculture and Natural Resources to Wyoming.

The goals of the study are a tripartite analysis of the natural resource base including agriculture, on the economy of Wyoming and counties. The study has three parts as outlined below:

1. Estimate jobs and income impacts of agriculture and natural resources. (Under Review)
2. Estimate the cost of community services in these local resource based economies and the impact and risks associated with local government public finance and the provision of essential public services
3. Estimate economic impacts of innovation and entrepreneurship in the agriculture sector

Increase Weather and Climate Awareness, Preparedness, and Responses in Wyoming Rural Agricultural Communities

Agricultural producers need timely, science-based, and region-specific information and technologies to enable them to make climate-informed decisions about their operations. This is especially true in Wyoming, where high-elevation rangeland and cropping systems and a semi- arid climate place producers and their communities at significant exposure to weather and climate variability. This project will enhance the climate resilience of rural, agricultural communities in Wyoming by increasing the weather and climate capacity of Extension professionals and other local Technical Service Providers (TSPs) who serve Wyoming agricultural communities. This goal will be accomplished through the following objectives:

1. Create the community, knowledge exchange, and resources needed to build weather and climate literacy among Extension professionals and other TSPs.
2. Identify, adapt, and make accessible tools and infographics that translate raw weather and climate data into user-friendly and actionable information relevant to decision-making in the project state's agricultural systems and climate conditions.
3. Create Extension products and outputs that translate existing research into user-friendly and accessible outputs/materials that can assist with weather and climate decision-making.

Land Grant-Tribal Partners Thriving Communities Technical Assistance Center for Region 8 . Collaboration between Montana State University (lead), Colorado State University, and University of Wyoming TCTAC's primary objective is to deliver effective, locally informed technical assistance to increase the capacity of entities committed to energy and environmental justice in Region 8 to successfully identify, apply for, win and manage grants; secure private funding; and build coalitions to amplify their collective power. Outreach will be focused on underserved and overburdened communities throughout the region's six states and 28 Tribes so they can access in-person and virtual training and technical assistance to build critical capacity and generate funding to successfully implement their projects.

Bader Thapa R., R. Coupal. 2019 continuing. Coal Char / Biochar economic and lifecycle analysis.

The study is a collaboration with the University of Wyoming's School of Energy Resources to look for alternative uses of coal. This project looks at the pyrolysis of coal and plant residue to create a char as a one time application of a soil additive to both poor soils and high quality soils. The study will assess the following for comparisons:

1. Cost and net present value of using coal char and biochar.
2. Growth in usable carbon in the soil from the cation exchange characteristics of the chars
3. Complete carbon lifecycle analysis of the two types of char.

Haggerty, J., M. Haggerty, M. Eggars, R. Coupal. Indigenizing Fiscal Policy for Just Transitions

This is an integrated research program and engagement with the Apsáalooke (Crow Nation) in Montana. It seeks to identify the policy reforms, governance processes, and investments in local capacity necessary to reverse the trajectory whereby a low-carbon energy transition in the U.S. amplifies social vulnerability in resource peripheries. The objectives are as follows:

1. How does fiscal policy (public revenue collection and spending) interact with economic vulnerability in the context of a reservation economy experiencing the effects of the energy transition?
2. How do historical decisions influence local capacity to sustain public services in the context of declining revenues?
3. Under existing policy frameworks, what is the potential for low carbon energy development projects to sustain critical public services?
4. As current and future leaders assimilate and share the knowledge and skills involved in addressing fiscal policy and its implications and anticipating the need to evaluate proposals for future energy and natural resource development, what would it mean to indigenize fiscal policy?

#### **Extension programming on-hold, un-funded, or ended**

Paige, G., C. Knapp, R. Coupal. 2020. "Land and water decision support system development on the Wind River Indian Reservation" Ongoing Extension from Development of the Agricultural Resource Management Plan (ARMP) was a joint effort between the Eastern Shoshone and Northern Arapaho tribal councils, the WRIR Tribal Water Engineer's Office, and the University of Wyoming. Two tribal committees, the Water Board and the Agricultural Producers Committee, were the lead community organizers for forming the ARMP committee and guiding the process. The ARMP was developed using the rational planning process . Modifications to this process

allowed for a more integrative and adaptive planning process. - *On-hold*  
 Wyoming Unemployment Insurance Fund Management project (Extension Commitment) - *Ended*  
 Coupal, R., L. Marshall. 2021. "RECLAMATION AND RESTORATION IN CALIFORNIA OIL AND GAS WELLS, A REGIONAL ECONOMIC DEVELOPMENT STRATEGY: Jobs, occupations and costs in the California energy counties." Report to the Berkeley Biodiversity Center. - *Ended*  
 Coupal, R. 2020 Bio-equivalence, Habitat Equivalence Analysis, and Stochastic Cost Effectiveness in comparing risks and benefits of surface reclamation approaches. Submitted to Wyoming DEQ/AML.

**PUBLICATIONS IN DEVELOPMENT OR IN PROGRESS**

Hufford, K., F. Nippgen, R. Coupal. 2023. Evaluating reclamation approaches: the science, regulatory regimes, and economics in a dynamic socioecological system. Directed to *New Frontiers in Ecology*.  
 Coupal, R. C. Jones Ritten, K. Hansen. "Maintaining Public Service Capacity for Communities while protecting important areas in Federal and State designated areas of critical environmental concern."  
 Coupal, R. D. McLeod. 2023. "Structural Change in Western, Resource Dependent Counties, and Impacts on local public finance."  
 Coupal, R., R. Bader Thapa. 2023. "An Economic and Carbon Lifecycle Analysis Comparison of Coal Char and Biochar on Row Crops as a Soil Additive". Data collection in progress.  
 Coupal, R. G. Godby. Fiscal Risks for State and Local Governments and market tradeoffs of Renewable Energy Integration into the Transmission Grid". Targeted for *Energy Policy Journal*. *in development*.  
 Coupal, R., Y. Igarashi, Y. (2013). "The Economics of Natural Gas Development with Land Reclamation: A Risk Analysis Approach" Department of Agricultural and Applied Economics, University of Wyoming. *In Progress*.  
 Lieske, S. D. McLeod, R. Coupal. "Political jurisdiction, reputation and urban form: a more complete specification of public service costs". *Under review*.  
 Coupal, R. Kristi Hansen, E. Mock. "A Risk Assessment of Local Native Seed Costs and Returns in the Intermountain West High Altitude Environment. In Development for a peer reviewed Extension Bulletin.

**COMPLETED OR UN-FUNDED:**

Economic Importance and Impact of the Casper Events Center Arena (current 2020) - postponed due to COVID-19 pandemic.  
 Regional Impact model coupled with an electricity dispatch modeling for renewable integration in the grid. (DOE/EPSCOR - Atmosphere to Grid: Advanced Modeling to Enhance Energy Conversion and Delivery Addressing Barriers to Energy Conversion and Delivery)  
 Regional analysis of phosphorus pollution in Lake Atitlán. NSF proposal Integrated geospatial multi-objective decision system for the Lake Atitlán watershed, Guatemala. (Not funded)  
 Wyoming Energy Futures Committee (2019, Extension Commitment)  
 Economic Impact of the the Pari-mutuel Industry on Wyoming (2019). Report to the State of Wyoming  
 Economic Impact of the Irrigation Tunnel and Canal collapse to Goshen County, Wy and Scotts Bluff County, NE (2019)  
 Economic Impact of the Jackson Fork Ranch Resort (2017). Report to the Developer for the benefit of discussions to the Sublette County Commission.  
 Development of Cost of community services extension publication update (extension bulletin in development)  
 Legacy Issues and impacts of Fossil Fuel based Energy Dependence. Economic impacts of mining, reclamation, and legacy site cleanup. (in development)  
 Paige, G., R. Coupal, et al "Integrated Geospatial Multi-objective Decision Making for the Lake Atitlán Watershed, Guatemala". NSF/CNH Submission - not funded)  
 Development of an integrated research program in the Altiplano of Guatemala on impacts of pollution in the Lake á Watershed. (NSF Submission 2018 - not funded)  
 National Workshop on Valuation of Ecosystem Services for Federal Agency Reporting. A Council for Food,

Agriculture, and Resource Economics symposium, Washington DC. 2015-2016

#### **OTHER PROFESSIONAL ACTIVITIES**

2012 - 2018. Current Council for Food, Agriculture and Resource Economics Board Member, ([CFARE.org](http://CFARE.org)). Board Chair 2012-2017, 2012 - 2018. Current Council for Food, Agriculture and Resource Economics, ([CFARE.org](http://CFARE.org)) Board Chair 2012-2017.

December, 2016. Invited participant at a Brookings Institution Roundtable discussion on community legacies of fossil fuel development and the transition to renewables.

July 2014. Led a group of faculty and administrators to visit Universidad del Valle for expanding student and faculty collaborations.

March, 2015. AAAS Columbia Human Rights Planning Meeting: AAAS program that works with local officials to plan for advancing human rights.

#### **COMPLETED EXTENSION OR OUTREACH PROJECTS AND WORKSHOPS**

Economic impacts of the Jackson Creek Resort, Bondurant, Wy. 2018 - 2020

Coupal, R., C. Hufford, and P. Stahl. Comparing risks and benefits of surface reclamation approaches: an ecological economic stochastic cost effectiveness Analysis. Report to WyDEQ. 2019.

Gustanski, J., M. Hayes, A. Scofield, D. Taylor, R. Coupal, D. Scarsella. 2018. Economic impact of a Coal Export Terminal in Washington State on the Lummi Nation. Report to the Lummi Tribal Council.

Community structural change in energy impacted communities (USDA/AFRI) 2014-2017

Gribb, W., G. Paige, R. Coupal. Agricultural Resource Planning on the Wind River Indian Reservation 2014-2017

Coupal, R. and G. Paige. "Integrated Natural Resource Planning in Mountain Communities: Economic and Management Tools and Approaches Universidad del Valle, Guatemala. Modulo 1, September 2016.

Coupal, R. and G. Paige. "Integrated Natural Resource Planning in Mountain Communities: Economic and Management Tools and Approaches Universidad del Valle, Guatemala. Modulo 2, September 2016.

Godby, R. B. Cook, R. Coupal. Assessment of industrial electricity rate increases in Wyoming

Jackson, T., R. Coupal, R. Godby. Risk assessment approach for State Revenue from Structural Change in the Energy Industry

Hansen, K., G. Paige, E. Peterson, M. Prucell, J. Lamb, S. Broadnax, R. Coupal. (2016) Development of a Conservation Exchange for payments for ecosystem services: Part of a team of faculty and Statewide leaders 2012-2016 and incorporation to a 501c3 organization of the Wyoming Conservation Exchange

. <http://www.wyomingconservationexchange.org/>

SBIR: (2014-15) D. Wolverton, K. Vincent, R. Coupal. "Enhancing Rural Access to Capital Through Development of a Local Crowdfunding Incubator.

Godby, R., R. Coupal. 2015. Impacts of the Clean Power Plan on K-12 Capital Construction Projects

#### **REFEREED PUBLICATIONS IN PRINT**

Hitaj, C. I. Xiarchos, R. Coupal, T. Kelsey, and R. Krannich (2020). "Shale Gas and Oil Development: A Review of the Local Environmental, Fiscal, and Social Impacts". *Economics of Energy and Environmental Policy* 9(2).

Haggerty, J. H., K. Smith, J. Weigle, T. J. Kelsey, R. Coupal, D. Kay, K. B. Walsh, P. Lachapelle. 2019. Tradeoffs, balancing, and adaptation in the agriculture-oil and gas nexus: Insights from farmers and ranchers in the United States. *Energy Research and Social Science* 47 (Jan.): 84-92. doi: 10.1016/j.erss.2018.08.012

Smith, K. K., Haggerty, J. H., Kay, D. L., Coupal, R. (2019). Using shared services to mitigate boomtown impacts in the Bakken Shale Play: Resourcefulness or over-adaptation. *The Journal of Rural and Community Development* ,14(2), 66 – 86.

Paige, G., W. Gribb, R. Coupal 2019. "Agriculture Resource Management Planning on the Wind River Indian Reservation: An Integrative Approach". *Journal of Geoscience and Environment Protection* 7, p. 206-221

Godby, R., D. Taylor, R. Coupal, 2018. "Wind development, tax policy and economic development tradeoffs".

- Electricity Journal 31(5).
- Rashford, B. A. Scofield, D. McLeod, R. Coupal, S. Lieske, S. Albeke. 2016. "Residential Development Effects on Firefighting Costs in the Wildland-Urban Interface". *Land Economics*.
- Godby, R. R. Coupal. 2016. "A comparison of Clean Power Plan forecasts for Wyoming: The importance of implementation and modeling assumptions" *Electricity Journal* 29(1).
- Godby, R., R. Coupal, D. Taylor, T. Considine. 2015. "Potential Impacts on Wyoming Coal Production of EPA's Greenhouse Gas Proposals", *Electricity Journal* 28(5).
- Godby, R., G. Torell, and R. Coupal. 2013. "Estimating the value of additional wind and transmission capacity in the rocky mountain west". *Resource and Energy Economics*, 36(1). 22-48.
- Mock, B., K Hansen, R Coupal, D Menkhaus 2016. Policy Experiments for the U.S. Intermountain West Native Seed Industry, *Canadian Journal of Agricultural Economics*. 64(4) 695–716
- Lieske, S., R. Coupal, J. Hamerlinck, D. McLeod, A. Scofield 2013. 'Planning support system enabled spatially explicit local government fiscal modeling' in *Planning Support Systems for Sustainable Urban Development* (Edited Volume) CUPUM 2013 13th International Conference on Computers in Urban Planning and Urban Management. Springer Academic Publishers.
- Andersen, M., R. Coupal, and B. White 2009. "Reclamation Costs and Regulation of Oil and Gas Development with Application to Wyoming". *Western Economic Forum*. 8(1).
- Lieske S., McLeod D M, Coupal R H, Srivastava S K, 2012, "Determining the relationship between urban form and the costs of public services" *Environment and Planning B: Planning and Design* 39(1) 155 – 173.
- Geiger, M., D. McLeod, R. Coupal. (2010). "State Government Revenue Impacts of Greenhouse Gas Policies on the State of Wyoming"., *Rocky Mountain Geology*, Vol. 45, 181-191.
- Foulke, Thomas, David Taylor, and Roger Coupal. 2010 "Modeling the economic impacts of critical habitat designation" in *New Perspectives on Agri-environmental Policies*, Stephan J. Goetz and Floor Brouwer Edtrs. [New York: Routledge]. Coupal, Roger, Donald McLeod, Katherine Inman, David Taylor, and Andrew Seidl. 2003 "Opportunities for Land Grant Universities to Contribute to Research and Extension in Land Use Planning in Rural Counties of the Rocky Mountain West". *Journal of Extension*.
- Coupal, Roger, David T. Taylor, and Roy Allen. "Natural Gas Development and Wildlife Preservation: Economic Tradeoffs in the Jack Morrow Hills Area of Wyoming" Working Paper April 2002.
- Coupal, R., D. McLeod, and D. Taylor. 2002. "The Fiscal Impacts of Rural Residential Development: An Econometric Analysis of the Cost of Community Services." *Planning and Markets*. 5(1): 24-31. <http://www-pam.usc.edu/>
- Coupal, R. H., and David Holland. "The Economic Impact of Electricity Deregulation in Washington: A Computable General Equilibrium Analysis". *Journal of Agricultural and Resource Economics*. July 2002.
- Coupal, Roger H., Chris T. Bastian, and David T. Taylor. "Economic Benefits of Sport Fishing and Angler Wildlife Watching in Pennsylvania: A Comment". *Journal of Travel Research*. Fall 2002.
- Coupal, R. H., C. T. Bastian, J. A. May and D. T. Taylor. "Economic Benefits of Snowmobiling in Wyoming: A Travel Cost Approach with Market Segmentation" *Journal of Leisure Research*. Autumn 2002.
- Young, Doug, Amos Bechtel, Roger Coupal. "Comparing the Performance of the 1985 and 1990 Conservation Reserve Program in the West". *Journal of Soil and Water Conservation*, Vol. 49(5). 1994.
- Robison, Marvin, Joel Hamilton, Neil Meyer, and Roger Coupal. "Spatial Diffusion of Economic Impacts and Development Benefits in Hierarchically Structured Trade Regions: An Empirical Applications of Central Place-Based Input Output Analysis." *Review of Regional Studies*, Vol. 23(3). 1994.
- Barkley, David, Stephen Smith, Roger Coupal. "High Tech Entrepreneurs in Small Towns". *Journal of the Community Development Society*. Vol. 22(1). 1991.
- Coupal, Roger and Paul Wilson. "An Economic Evaluation of Surge Flow Irrigation Technology", in *Agricultural Water Management* Vol. 18. 1990.
- Wilson, Paul and Roger Coupal. "An Investment Analysis of Linear- Move Irrigation Technology", *Journal of Farm Managers and Rural Appraisers*, Vol. 51(1) April 1987.

#### EXTENSION AND OUTREACH PRESENTATIONS AND PUBLICATIONS:

- Coupal, R. (June 2020), "Economic Impact of the the Jackson Fork Ranch Resort on Sublette County", Presented to the Sublette County Commission.
- Coupal, R. (October 2019)."Transition and Legacies from Coal Based Electricity Generation: Economic and Environmental Issues". Presented at the UW Saturday University in Jackson, Wy.
- Coupal, R., K. Lamb (Sept 2019). "Geomorphic Reclamation: Cost Effectiveness and Risk Analysis " Presented at the National Association of Abandoned Mine Land Programs", Pittsburgh PA
- Lieske, S., R. Coupal, D. McLeod (June 2019). Political jurisdiction, reputation and urban form: a more complete specification of public service costs". Presented at Western Agricultural Economics Association National Meeting, Coeur d'Alene, Idaho.
- Coupal, R., K. Hufford, and K. Reid Fleisher (June 2019). "Cost Effectiveness Analysis of Geomorphic Reclamation", Presented at the American Society of Mining Reclamation, Big Sky Montana.
- Coupal, R. (April 2019) Transitions and Legacies from Coal-based Electricity Generation: Economic and Environmental Impact Issues. Presented at the International Association of Impact Assessment Annual Conference, Brisbane, Queensland Australia
- Coupal, R. (May 2019). "Wyoming Economic Outlook". Presentation at the Pacific Northwest Regional Economic Conference. Seaside, Oregon.
- Godby, R. and R. Coupal (March 2019). "Potential Impacts to Wyoming of the Coal Transition " Presented to the Spring Wyoming Infrastructure Authority, Jackson, Wy.
- Coupal, R. (May 2017). "Wyoming Economic Outlook". Presentation at the Pacific Northwest Regional Economic Conference. Vancouver, Washington.
- Godby, R., R. Coupal, D. Taylor, T. Considine. (Jan. 2015). "The Impact of the Coal Economy on Wyoming Prepared for the Wyoming Infrastructure Authority" Report Submitted to the Wyoming Infrastructure Authority.
- Coupal, R. (July 2014). Panel Discussion on Coal Exports. Presented to the General Public and Coal industry. Gillette, Wyoming.
- Coupal, R. (May 2014). "Wyoming Economic Outlook". Presentation at the Pacific Northwest Regional Economic Conference. Spokane, Washington.
- Gustanski, J., D. Taylor, R. Coupal, et al. "Economic Impact of Polar Bear Critical Habitat Designation" Report through Resource Dimensions to CPAK. July 2010.
- Gustanski, J., D. Taylor, R. Coupal, et al. "Economic Impact of Critical Habitat Designation Beluga Whale in the Cook Inlet of Alaska" Report through Resource Dimensions to RDC. April 2010.
- Taylor, David T., Benjamin S. Rashford, Roger Coupal, and Thomas Foulke. (June 2009). "*An Economic Analysis of Predator Management in Wyoming*". Submitted to the State of Wyoming and the Wyoming Animal Damage Control Board.
- Cook, D., Roger Coupal, J. Hamerlinck, D. Hulme, S. Lieske, D. McLeod. (October 2008). "*Impacts of Wyoming Water Development Commission Regional Water Supply System Projects on Land Use*". Report to the Wyoming Water Development Commission.
- Finnoff, David, Roger Coupal. 2008. "*Economic Impacts of Coal Bed Methane Water Policy on the Economy of the Powder River Basin*". Report to the DoE. Ruckelshaus Institute for the Environment and Natural Resources. University of Wyoming.
- Taylor, David T., Roger Coupal, Thomas Foulke, Benjamin Rashford, and Desiree Olson. (February 2008). A Economic Profile of the Bridger-Teton National Forest Prepared in support of the Bridger-Teton Forest Plan Revision Process.
- Coupal, Roger , Robert Godby, David Bell, David Taylor, Jamison Pike, and Thomas Foulke An Economic Impact Analysis of Proposed Tax Incentives to Attract Integrated Gasification Combined Cycle Power Generation Facilities to Wyoming Rock Springs WY Boardman, Richard, Robert Carrington, Lyman Frost, John Kolts, Richard Wood, David Bell, Ovid Plumb, Roger Coupal, Thomas Foulke, Sian MooneyPlan for Enacting A Research Collaboration Between INL and the University of Wyoming, White Paper Submitted to the University of

Wyoming.

**Reviewed Publications:**

- Gustanski, J., D. Taylor, R. Coupal, et al. "Economic Impact of Polar Bear Critical Habitat Designation" Report through Resource Dimensions to CPAK. July 2010.
- Gustanski, J., D. Taylor, R. Coupal, et al. "Economic Impact of Critical Habitat Designation Beluga Whale in the Cook Inlet of Alaska" Report through Resource Dimensions to RDC. April 2010.
- Taylor, David T., Benjamin S. Rashford, Roger Coupal, and Thomas Foulke. (June 2009). *"An Economic Analysis of Predator Management in Wyoming"*. Submitted to the State of Wyoming and the Wyoming Animal Damage Control Board.
- Cook, D., Roger Coupal, J. Hamerlinck, D. Hulme, S. Lieske, D. McLeod. (October 2008). *"Impacts of Wyoming Water Development Commission Regional Water Supply System Projects on Land Use"*. Report to the Wyoming Water Development Commission.
- Taylor, David T., Roger Coupal, Thomas Foulke, Benjamin Rashford, and Desiree Olson. (February 2008). *"An Economic Profile of the Bridger-Teton National Forest, Phase II"* Prepared in support of the Bridger-Teton Forest Plan Revision Process.
- Taylor, David T., Thomas Foulke, Roger Coupal. (May 2008). *"An Economic Profile of the Shoshone National Forest"*, Prepared in support of the Shoshone National Forest Plan Revision.
- Coupal, Roger, Robert Godby, David Bell, David Taylor, Jamison Pike, and Thomas Foulke. (1/8/2007). *"An Economic Impact Analysis of Proposed Tax Incentives to Attract Integrated Gasification Combined Cycle Power Generation Facilities to Wyoming"*. Report to the Wyoming Infrastructure Authority.
- Boardman, Richard, Robert Carrington, Lyman Frost, John Kolts, Richard WoodDavid Bell, Ovid Plumb, Roger Coupal, Thomas Foulke, Sian Mooney. (August 2005). *"Plan for Enacting A Research Collaboration Between INL and the University of Wyoming"*, White Paper Submitted to the University of Wyoming.
- Foulke, Thomas, David T. Taylor, Roger Coupal. (2005). *"The Economic and Fiscal Impact of Public Lands Grazing in Park County, Wyoming"*, Extension Report to the Park County Commission.
- Foulke, Thomas, David T. Taylor, Roger Coupal, James Thompson. (October 2004). *"The Economic Impact of BLM Grazing Reductions on Fremont County Wyoming"*. Report to the County Commissioners of Fremont County, Wyoming.
- Taylor David T., Roger Coupal, and Thomas Foulke. (September 2004). *"The Potential Economic Impacts of Listing of the Prebles Meadow Jumping Mouse on the Economy of Southeastern Wyoming"*. Report to the Governor of the State of Wyoming.
- Coupal, Roger, and Danelle Peck. (April 2003). *"A Benefit Cost Analysis of Coal Bed Methane Development in the Powder River Basin Counties"*. A Report to the Combined Counties Coal Bed Methane Working Group.
- Coupal, Roger, Thomas K. Foulke, David T. Taylor. *"Medicine Bow Economic Analysis, Albany County Profile"*. Submitted to the Medicine Bow Routt National Forest. November 2001.
- Coupal, Roger, David T. Taylor. *"Baseline Economic Impact for Converse County"* Submitted to the Medicine Bow Routt National Forest. September 2001.
- McManus, Chelea, Roger Coupal, David T. Taylor. *"2000-2001 Wyoming Snowmobile Survey"*. Prepared for the Wyoming State Trails Program, Wyoming State Division of Parks. October 2001.
- Coupal, Roger, Don McLeod, David T. Taylor, and Katherine Inman. *"An Evaluation of the BLM Recreation Database and the Economic Impact of BLM Recreation Activity in the West."* Report submitted to the BLM, May 2001.
- Coupal, Roger, Foulke, Thomas, David T. Taylor. *"2001 Payments in Lieu of Taxes"* 23 County publications on PILT payments.
- Foulke, Thomas, David T. Taylor, Roger Coupal. *"2000 Payments in Lieu of Taxes"* 23 County publications on PILT payments.
- Foulke, Thomas, David T. Taylor, Roger Coupal. *"1999 Payments in Lieu of Taxes"* 23 County publications on PILT payments.

Taylor, D., R. Coupal. *"Economic Impact Analysis of Jack Morrow Hills Coordinated Activity Plan Alternatives on Southwest Wyoming"*. Project report to Bureau of Land Management, Wyoming State Office. July 1999.

Coupal, R., D. Taylor, D. Pindell. *"Economic and Fiscal Effects of BLM Revenue-Sharing on State of Wyoming"*. Executive summary for the Bureau of Land Management, National Projects and Initiatives Team. <http://www.blm.gov/ess/BLMTPfin32.htm>

Pindell, D., D. Taylor, R. Coupal, C. Bastian. *"1998 Wyoming Statewide Trails Inventory"*. Final report to Wyoming Department of Commerce. June 1999

Coupal, R., D. Taylor, D. Pindell. *"Economic and Fiscal Effects of BLM Revenue-Sharing on State of Wyoming"*. Technical Report for the Bureau of Land Management, National Projects and Initiatives Team.

Foulke, T., D. Taylor, R.H. Coupal. *"1998 Payments in Lieu of Taxes (PILT) to Wyoming Counties"* (All Counties), University of Wyoming, Cooperative Extension Service, B-1055AL, November 1999.

Feeney, Dennis, Gary Beauvais, Roger Coupal, Shawn Lanning, Scott Lieske, Nathan Nibbelink, and Kirk Nordyke. (April 2004). *"Big Game Migration Corridors in Wyoming"*. Wyoming Open Spaces Partnership Bulletin No. B-1150. Institute for the Environment and Natural resources. University of Wyoming, Laramie, Wyoming.

Coupal, Roger, Scott Lieske, Gary Beauvais, Dennis Feeney. (March 2004). *"The Role and Economic Importance of Private Lands in Providing Habitat for Wyoming's Big Game"*. Wyoming Open Spaces Partnership Bulletin No. B-1150. Institute for the Environment and Natural Resources. University of Wyoming, Laramie, Wyoming.

Coupal, Roger, David T. Taylor, Don McLeod. (December 2002). *"The Cost of Community Services for Rural Wyoming Residential Development in Wyoming"*. Wyoming Open Spaces Partnership Bulletin No. B-1133. Institute for the Environment and Natural Resources. University of Wyoming, Laramie, Wyoming.

Donald McLeod, Kate Inman, Roger Coupal, Jody Worhaye, Jonathon Gates, Amy Bittner, and Andy Siedl. *"Open Spaces and Working Landscapes"*. Reflections, Collaborative Research Section. University of Wyoming, College of Agriculture. June 2002.

Bittner, A., D. McLeod, K. Inman, R. Coupal, and A. Seidl. *"Results of a Land Use and Planning Survey in Moffat County, Colorado."* Report to be submitted 2002 as Wyoming Agricultural Experiment Station Bulletin. Department of Agricultural and Applied Economics, University of Wyoming.

McLeod, D., K. Inman, R. Coupal, and J. Gates. January 2002. *"Results of a Land Use and Planning Survey in Sheridan County, Wyoming."* Wyoming Agricultural Experiment Station Bulletin B1107. Department of Agricultural and Applied Economics, University of Wyoming.

McLeod, D., K. Inman, R. Coupal and J. Gates. January 2002. *"Results of a Land Use and Planning Survey in Uinta County, Wyoming."* Wyoming Agricultural Experiment Station Bulletin B1106. Department of Agricultural and Applied Economics, University of Wyoming.

Coupal, Roger, David T. Taylor, and Don McLeod. May 2001 *"Cost of Development Analysis: Uinta County"*. Submitted to the Uinta County Commissioners.

Coupal, Roger, David T. Taylor, and Don McLeod. September 2001. *"Cost of Development Analysis: Sheridan County"*. Submitted to the Sheridan County Commissioners.

Olson, Desiree, Alex Kean, Roger Coupal. *"The Economic Impact of Regional Service Providers to the State of Wyoming."*

Foulke, Thomas K. Roger Coupal, David T. Taylor. *"Trends in Travel and Tourism"*. UW/CES Bulletin No. B-1131. November 2002.

Coupal, Roger and Gail Gordon. *"A Market Analysis of L. Porteri"*. Preliminary report for the SBIR project on commercial feasibility of producing and marketing osha. December 29, 2001.

Foulke, Thomas K., Roger Coupal, David T. Taylor. January 2002. *"Economic Trends in the Coal Industry"*. Extension Bulletin Cooperative Extension Service, University of Wyoming.

Foulke, Thomas K., Roger Coupal, David T. Taylor. August 2001. *"Economic Trends in the Oil and Gas Industry"*. Extension Bulletin , Cooperative Extension Service, University of Wyoming. Coupal, Roger and David T. Taylor. *"Adding Value to Tourism: Two Case Studies of Eco-tourism Enterprises"*. Web document. <http://agecon.uwyo.edu/EconDev/Atlas.htm>

Coupal, Roger, Thomas Foulke, and David T. Taylor. Oct. 1999. *"State and Federal Revenue Sharing in Wyoming"*



- Counties and Communities*" (web site addition). <http://agecon.uwyo.edu/EconDev/Atlas.htm>
- Foulke, Thomas, Roger Coupal, and David Taylor. 1999. "GIS as an Economic Analysis Tool, A Case Study of the Wyoming Pari-mutuel Commission Survey Results". Web document. <http://agecon.uwyo.edu/EconDev/Atlas.htm>.
- Foulke, Thomas, Roger Coupal, David T. Taylor, Cami Jo Miller, Shad Lantis, 1999. "Wyoming Economic Atlas". <http://agecon.uwyo.edu/EconDev/Atlas.htm>.
- Strong, Joel, Roger Coupal, Joe Coyne, Gene Vuckovich, Cindi Garretson-Wiebel, Karlene Sjoden, and Ed Wallace. November 28-30, 2000. "Lovell, Wyoming Community Assessment Final Report." Wyoming Rural Development Council Community Assessment Program, Lovell Team.
- Foulke, Thomas, Roger Coupal, David T. Taylor. Oct. 2000. "Trends in Wyoming Agriculture: Agricultural Employment (1969-1997)". Extension Bulletin MP-106. Cooperative Extension Service. University of Wyoming.
- Foulke, Thomas, Roger Coupal, David T. Taylor. July 2000. "Trends in Wyoming Agriculture: Agricultural Income (1969-1997)". Extension Bulletin MP-106. Cooperative Extension Service. University of Wyoming.
- Foulke, Thomas, Roger Coupal, David T. Taylor. July 2000. "Trends in Wyoming Agriculture: Size of Operation". Extension Bulletin MP-105. Cooperative Extension Service. University of Wyoming.
- Foulke, Thomas, Roger Coupal, David T. Taylor. July 2000. "Trends in Wyoming Agriculture: The Changing Demographics in Wyoming Agricultural Operators." Extension Bulletin MP-103. Cooperative Extension Service. University of Wyoming.
- Foulke, Thomas, Roger Coupal, David T. Taylor. July 2000. "Trends in Wyoming Agriculture: Level of Production". Extension Bulletin MP-105. Cooperative Extension Service. University of Wyoming.
- Coupal, Roger. "Issues and Concerns for the Public Funding of Business Parks". 1997. Staff Paper <http://agecon.uwyo.edu/EconDev/PubStorage/bzpark.pdf>.
- Coupal, Roger and David T. Taylor. Feb. 3 1999. "Measuring the Contribution of a University to the State's Economic Development: Definitions and Strategies". Web Document <http://agecon.uwyo.edu/EconDev/PubStorage/ecodevdef2.pdf>
- Coupal, Roger. February, 1999. "Telecommunications, Information Technology Industry, and Economic Development". Staff Paper: <http://agecon.uwyo.edu/EconDev/PubStorage/telecomweb.pdf>
- Coupal, Roger. June 2000. "The Economic Impact of Environmental Education Schools: Case Study I: Teton Science School". Web Document. <http://agecon.uwyo.edu/EconDev/PubStorage/>
- Coupal, Roger. February, 1997. "The Economic Base of Idaho, 1993" (Working Paper). A.E. Extension Series No. 97-02. Department of Agricultural Economics and Rural Sociology, University of Idaho, Moscow, Idaho.
- Salant, Priscilla, and Roger Coupal. December, 1996. "Rural People and Places: A Reference Guide for the Staff and Board of Directors of the Northwest Area Foundation". Department of Agricultural Economics, Washington State University, Pullman, Washington.
- Coupal, Roger, and David Holland. 1995. "From Enterprise Budgets to Input-Output Accounts". Staff Paper, Dept. of Agricultural Economics, Washington State University, Pullman, Washington.
- Coupal, Roger, and David Holland. 1995. "The Economic Importance of Wheat to the State of Washington". Staff Paper, Dept. of Agricultural Economics, Washington State University, Pullman, Washington.
- Coupal, Roger, and David Holland. 1995 "The Economic Importance of Wheat to Eastern Washington". Staff Paper, Dept. of Agricultural Economics, Washington State University, Pullman, Washington. 1995
- Coupal, Roger, Mukund Uppadhaya, and David Holland. 1994. "Factor Markets in a Regional Computable General Equilibrium Analysis." Proceedings of the 1994 Pacific Northwest Regional Economic Conference.
- Coupal, Roger, and Neil Meyer. 1993. "The Economic Importance of Hospitals in Rural Communities: Five Case Studies." Extension Bulletin 749. Idaho Cooperative Extension System, University of Idaho.

#### **NATURAL RESOURCE AND COMMUNITY DEVELOPMENT PROGRAMMING:**

HANSEN, K., R. COUPAL, E. YEATMAN, AND D. BENNETT. "ECONOMIC ASSESSMENT OF A POTENTIAL WATER DEMAND MANAGEMENT

PROGRAM IN THE WYOMING COLORADO RIVER BASIN" SELECTED PRESENTATION AT THE UNIVERSITIES COUNCIL ON WATER RESOURCES ANNUAL MEETING, VIRTUAL (JUNE 8-10, 2021).

Godby, R. and R. Coupal. "Evaluation of an increase in the Wind power production tax, impacts and cross state comparisons". Presentation to the State Legislative Revenue Committee, Sept. 22, 2016

Coupal, R. (July 2014). Panel Discussion on Coal Exports. Presented to the General Public and Coal industry. Gillette, Wyoming.

Coupal, R. (May 2014). "Wyoming Economic Outlook". Presentation at the Pacific Northwest Regional Economic Conference. Spokane, Washington.

Coupal, R. (May 2014). "Using PNREAP in the Classroom". Presentation at the Pacific Northwest Regional Economic Conference. Spokane, Washington.

Godby, R., G. Torell, R. Coupal. (April 2014). "*TOT 3 Corridor Benefits to expansion*". Presented to the Western Area Power Administration. Loveland, Colorado. Wyoming Infrastructure Authority and the Western Area Power Administration.

Coupal, R. (February 2014). "Economic Impact of Reclamation Activities on PRB Coal Mines". Presentation to the Campbell County Economic Development Corporation Board of Directors.

Godby, R., G. Torell, R. Coupal. (2013). Economics of increasing wind capacity and transmission capacity in Wyoming and Colorado. Presented to the Wyoming Infrastructure Authority and the Western Area Power Administration.

Godby, R., R. Coupal, G. Torell. (2012). Economics of increasing wind capacity and transmission capacity in Wyoming and Colorado. Presented to the Wyoming Infrastructure Authority and the Western Area Power Administration.

Coupal, R., K. Hansen, M. Andersen. (May 2011). "The Economics of Reclamation in Wyoming." Presented at a Wyoming Reclamation and Restoration Center Field Workshop. Cheyenne, Wyoming.

Coupal, R., K. Hansen, M. Andersen. (March 2011). "The Economics of Reclamation in Wyoming." Presented at a Wyoming Reclamation and Restoration Center Field Workshop. Kemmerer, Wyoming.

Coupal, R., K. Hansen, M. Andersen. (February 2011). "The Economics of Reclamation in Wyoming." Presented at a Wyoming Reclamation and Restoration Center Field Workshop. Lander, Wyoming.

Coupal, R., K. Hansen, M. Andersen. (January 2011). "The Economics of Reclamation in Wyoming." Presented at a Wyoming Reclamation and Restoration Center Field Workshop. Worland, Wyoming.

Godby, Robert and Roger Coupal. "The impact of wind development on local economies- preliminary wage findings". Presented to the Ruckelshaus Institute for the Environment and Natural Resources Annual Board Meeting. July, 2009. Laramie, Wyoming.

Andersen, M. and R. Coupal. (June 2009). "Economic Issues and Policies that Affect Reclamation Decision Making". Presented at the American Society of Mining and Reclamation, Billings, Montana.

Coupal, Roger. (2009) Fiscal Impacts of Land Fragmentation. Wyoming Irrigation District Workshop.

Coupal, Roger, David T. Taylor, and Donald M. McLeod. "Fiscal Impacts of Land Fragmentation in Wyoming, Implications for Wyoming Communities". Presentation to the Wyoming Association of County Commissioners. Rock Springs, Wyoming September 18, 2002.

Coupal, Roger, David T. Taylor, and Donald M. McLeod. "Fiscal Impacts of Land Fragmentation in Wyoming, Implications for Wyoming Communities". Presentation to the Wyoming Association of Municipalities. Sheridan, Wyoming. June 15, 2002.

Coupal, Roger, Don McLeod, David T. Taylor, and Katherine Inman. "An Evaluation of the BLM Recreation Database and the Economic Impact of BLM Recreation Activity in the West." Presented to the BLM State Economists Association. Park City Wyoming November 7, 2001.

Panel Discussion on the Thunder Basin National Grassland Wilderness Proposal with elected officials. 7/21/2000 and 8/31/2000.

Coupal, Roger. Fiscal Impacts of Land Fragmentation in Wyoming, Presentation to the Wyoming Water Users Association. September 2009.

Coupal, Roger. Economic Impact of Nonprofits in Wyoming. Presentation to the Snowy Range Nonprofit Institute Annual Workshop. Laramie, Wyoming. August 2009.

<b>Course Name and Description</b>	<b>College</b>	<b>Course No.</b>	<b>Year</b>
Rangeland Economics: An Environmental Risk Approach	College of Agriculture	AgEc 4700	Spring 2023
Community Economic Analysis Assessing Energy Development in Wyoming	College of Agriculture	AgEc 4600	Spring 2022
Community Economic Analysis Assessing Energy Development in Wyoming	College of Agriculture	AgEc 4600	Spring 2020
Community Economic Analysis Assessing Energy Development in Wyoming	College of Agriculture	AgEc 4600	Spring 2019
Graduate Capstone and Environmental Risk Analysis	ENR 5900 and ENR 4500	ENR 5900 & 4500	Spring 2018
Community Economic Analysis Assessing Energy Development in Wyoming	College of Agriculture	AgEc 4600	Spring 2018
Graduate Capstone and Environmental Risk Analysis	ENR 5900 and ENR 4500	ENR 5900 & 4500	Spring 2017
Community Economic Analysis Assessing Energy Development in Wyoming	College of Agriculture	AgEc 4600	Fall 2009 to the present
Community Economic Development. Survey Course of Community Economic Development Strategies	College of Agriculture	AgEc 4660	2001-2002
Community Economic Analysis Survey of quantitative methods and theories of community growth	College of Agriculture	AgEc 4600	2004-2005
Environment and Natural Resources Capstone Course: Problems course based upon the NEPA process	School for the Environment and Natural Resources	ENR 5900	1999-2009

Lieske, Scott, D. McLeod, R. Coupal. (June 2009). "A Spatially Determined Production Function to Model Fiscal Impacts of Community Development". Presented at "The Economics of Land-Use Change: Advancing the Frontiers". Washington D.C.

Coupal, Roger, Dennis Feeney, Gary Beauvais, Nathan Nibbelink. "Economic Impact of Big Game Habitat in

Wyoming". Poster Session at "Beyond the Arch Conference" in Mammoth Hot Springs, YNP. Oct. 4, 2003

Feeney, Dennis and Roger Coupal. "Big Game Migration Corridors, and their Economic Implications" Ancient Corridors Conference, Pinedale, Wyoming. April 14, 2003.

Coupal, Roger, Chris Bastian, David T. Taylor. "Economic Impact of Snowmobiling in Wyoming: A comparison between outfitter clientele and snowmachine owners. Presented at the Western Regional Science Assoc. meeting in Nogales Arizona. Feb. 27, 2003.

Coupal, Roger, Dennis Feeney, Gary Beauvais, Nathan Nibbelink, Don McLeod, David T. Taylor. "Results of the Wyoming Open Spaces Initiative". Poster Session at "National Association of University Land Grant Colleges. Feb. 14. 2003.

Hulme, Diana, Roger Coupal, Rick Moore, Rita Nelson. Presentation to Casper College class: "Prairie Dogs and People, Devils Gate to Natural Bridge, Land Use decisions and Options. Casper College, Casper, Wyoming, Nov. 21, 2002.

Coupal, Roger, Scott Lieske, Gary Beauvais, Dennis Feeney. (May 24, 2002). "*Private Lands Public Values: The Role of Private Lands in Wyoming*". Poster presented at the Land Trust Alliance, Austin, Texas Oct. 26-29, 2002.

Coupal, Roger. "Conservation Easements in Wyoming" Presentation to the Legislative Joint Agricultural Committee. September 17, 2002

Coupal, Roger, Scott Lieske, Gary Beauvais, Dennis Feeney. (June 26, 2002). "*Private Lands Public Values: The Role of Private Lands in Big Game Habitat in Sweetwater County*". Presentation to the Ag in the Classroom Teacher Workshop. Rock Springs. Wyoming. <http://agecon.uwyo.edu/EconDev/Land%20Use.htm>.

Coupal, Roger, Scott Lieske, Gary Beauvais, Dennis Feeney. (May 24, 2002). "*Private Lands Public Values: The Role of Private Lands in Big Game Habitat in Carbon County*". Presentation to the Carbon County Chapter of the Wyoming Stockgrowers Agricultural Land Trust. Saratoga, Wyoming.

Coupal, Roger H., Donald M. McLeod, David T. Taylor, Andrew Seidl. The Fiscal Impacts of Ranchland Fragmentation in Wyoming and Colorado. Poster Session presented at the Western Governors Association, Salt Lake City, Utah. April 24-25, 2002.

Coupal, Roger, Scott Lieske, Gary Beauvais, Dennis Feeney. (May 24, 2002). "*Private Lands Public Values: The Role of Private Lands in Wyoming*". Poster presented at the Western Governors Association, Salt Lake City, Utah. April 24-25, 2002.

Coupal, Roger, Donald M. McLeod, and David T. Taylor., Poster Session on the Cost of Community Services Analysis for Wyoming. IENR Board Meeting in Cody, Wyoming May, 2002.

Coupal, Roger, Scott Lieske, Gary Beauvais, Dennis Feeney Poster Session on the Private Lands Public Values: The Role of Private Lands in Big Game Habitat in Wyoming. IENR Board Meeting in Cody, Wyoming May, 2002.

Coupal, Roger, Donald McLeod, Andy Siedl, David T. Taylor. "Understanding Cost of Community Service Models. Strengthening Communities Enhancing Extensions Role. CRED Conference. Orlando, Florida. Feb. 24 – 27, 2002.

Moffat County, Co Public Meeting. "Fiscal Impacts of Residential Development in Moffat County, Colorado." Presented to County Commissioners and the general public. December 20, 2001.

Wyoming Stockgrowers Annual Meeting. "Private Lands Public Values: The Role of Private Lands in Big Game Habitat, A Statewide Analysis". December 4, 2001

Wyoming Stockgrowers Annual Meeting. Poster Session: "Private Lands Public Values: The Role of Private Lands in Big Game Habitat in Albany County, Wyoming. December 4, 2001.

Wyoming Stockgrowers Annual Meeting. Poster Session: "Private Lands Public Values: The Role of Private Lands in Big Game Habitat in Crook County, Wyoming". December 4, 2001

Conference for Protecting Farmland at the Urban Fringe. Poster Session: "The Role of Private Lands in Big Game Habitat in Wyoming" Baltimore, Md. Sept. 4 - 6, 2001.

Cattlemans Open-Dialogue Committee, Open Space Subcommittee. Presentation on Open space work. Nov. 13, 2000.

ENR Forum on Open Spaces. Poster Session on the Cost of Community Services Analysis for Wyoming. Sept. 27-29, 2000.

**Reclamation Workshops 101.** Economic Issues in Reclamation. Part of a general program that presented to agency and industry participants in Colorado and Wyoming.

**A Rocky Mountain Primer for Community Leadership Development.** May 17-19. Cody, Wyoming. We organized a regional workshop to expose Western U.S. Extension Agents to a community development approach to local leadership institute development. Twenty-two county educators from seven states attended.

**Community Leadership Institute Development (EVOLVE)** A Statewide outreach program facilitate local leadership institutes. Between 2000 and 2005, seven community programs are in development or functioning.

**Wyoming Community Network:** a team that developed a collaborative network of community development organizations for the purpose of coordinating and enhancing community development efforts in the State. Partners consist of UW/CES, Wyoming Rural Development Council, Wyoming Association of Municipalities, Wyoming Business Council, State Division of Parks, Central Wyoming Community College, and the Wyoming Community Foundation. Supervised the position of Executive Director.

- Presented to the Wyoming Association of Municipalities
- WRDC Community Assessment for Lovell, Wyoming
- WRDC Community Assessment for Diamondville and Kemmerer

**Extension Professional Improvement Conference 2001.** Cody Wyoming. (Oct. 15-18, 2001) *“Conducting County Needs Assessments”* Randy Wiegel, Gail Gordon, David T. Taylor, and Roger Coupal.

**Wyoming Health Works Program:**

Economic Impact of Rehabilitative Services Industries in Wyoming. June 2005.

Economic Impact of the Health Sector in Albany County, Wyoming. April 2005. Report to Iverson Memorial Hospital.

Niobrara County Health Survey. April, 2001) Final report sent to the Niobrara County Health Coalition

Douglas Health Care Utilization Survey and Economic Impact Analysis - (September 2001). Health care utilization survey and economic impact study of the health sector in Converse County

South Lincoln County Health Survey. (April, 2001) Report sent to the So. Lincoln County Human Resources Council

Thermopolis Human Resources Needs Assessment. (July 2001) Assisting the Public Health Nurse on developing a needs assessment.

Community Health Preferences for Star Valley: (May 2000) A Report to North Lincoln Health Coalition.

Dubois Medical Board. (March 1998 )Results of the Dubois Health Care Survey A Final Report to the Dubois Medical Center Board, Inc. Dubois, Wyoming.

**Presentations:**

Niobrara County Health Coalition. Workshop on Community Health Surveys. September 1, 2001. Lusk, Wyoming.

Wyoming “Health Works” Workshop. “Doing Community Surveys” August 1, 2001. Casper Wyoming.

**Other Presentations:**

Wyo. Counties For Responsible Energy Development (WCFRED). “The Economic Impact of Energy Development in Wyoming.” Presented in Douglas, Wy. Oct. 20, 2001.

Teton County Chamber of Commerce Leadership Program. “Economy and Natural Resources in Teton County.” Presented in Moose, Wyoming. Nov. 3, 2000.

Organized a Money 2000 course for Habitat for Humanity Families in Albany County. Worked with Mary Kay Wardlaw, Albany County Extension Educator, and Gail Gordon, Business Development Specialist. Agricultural and Applied Economics Department.

Collaboration on an SBIR grant submitted by Elk Mountain Herbs to study the feasibility of commercial production of Osha, a medicinal herb.

CES Community Development Group, Thermopolis, Wy. Co-Led a discussion with interested County Agents on developing a broad community development program for CES. September 22-23.

Kemmerer Schools to Careers Program. “Conducting Community Preference Surveys”. Kemmerer, Wyoming. April 1999.

Albany County Chamber of Commerce. April 1999. "Economic Development in the United States". Presentation to a Chamber of Commerce class.

CES In-Service Training. "Community Economic Development Programming: An Overview". Presentation to County Agents in Laramie, Wyoming. January 1999..

Dubois Health Clinic. Presented the results of a household survey on Dubois, Wyoming on health services preferences .Dubois, Wyoming. April, 1998

Afton Public Health Center. Assisted the public clinic manager in developing a survey instrument and a survey design for a community health preference survey.

Sheridan Wellness Council . September 1998. "Conducting community surveys"

Center for the New West . December 1998 Participated in a Conference on Telecommunications issues for rural areas.

**Other Extension and Outreach Projects:**

**Wyoming SBIR Osha Project.** The project is in collaboration with the Small Business Development Center. The objective is to assess the economic and technical feasibility commercially producing osha (*Ligusticum porteri*). Osha is sold as a medicinal herb in herb stores around the country and is produced through harvesting the root in the wild. The objective of this study is to assess the economics and technical feasibility of producing osha commercially as opposed to harvesting native plants.

**Laramie Housing Taskforce.** Housing Review Group. Evaluating the City of Laramie's housing policy to make recommendations about affordable housing issues.

## Teaching and mentorship

### GRADUATE STUDENT MENTORING

Year	Student	Dissert. (Di), Thesis (T)	Committee member (C) or Chair (ch)	Dissertation / Thesis Title
2020	Resham Thapa, Ecosystem Science and Mgt	Di	Co Chair	AN ECONOMIC FRAMEWORK FOR ANALYZING POTENTIAL USE OF PYROLIZED COAL AS SOIL AMENDMENT FOR POOR RANGE SOIL
2020	Mahdi Chahkandi	D	Committee	Essays in Electricity Markets
2019	Stephen Frimpong	T	Committee	Delayed or Declined: A Spatial Panel Analysis of School-Level Parental Immunization Hesitancy in the Rural Western United States
2019	Nathan Patrick Brock	T	Committee	SWF model
2019	Kyle Balint	T	Committee	Economic Assessment of Non-point Source Pollution Management in the Tongue River Basin, WY
2018	Ann Nicole Reed Ecosystem Science and Mgt	T	Committee	Evaluating the Effectiveness of Physical Barriers in Protecting Crops in Southern India; Human-Elephant Conflicts in Coimbatore Forest District Tamil Nadu, India
2016	Rohini Ghosh	Di	Committee	Not assigned yet
	Ramesh Sapkota, Ecosystem Science and Mgt	Di	Committee	Diversity, Disturbance and Restoration of Forests in Siwalik of Central Nepal
	Casey Balthrop Ecosystem Science and Mgt	T	Committee	Reestablishment of Wyoming Big Sagebrush by Transplanting Container Grown Seedlings
	Lindsey Ehringer Global and Area Studies	T	Co-Chair	Kyrgyzstan's Community-Based Tourism Industry: A Model Method for Sustainable Development and Environmental Management?

Year	Student	Dissert. (Di), Thesis (T)	Committee member (C) or Chair (ch)	Dissertation / Thesis Title
	Scott Gamo Ecosystem Science and Mgt	D	Committee	Effectiveness of Wyoming's Sage-Grouse Executive Order in Conserving Greater Sage-grouse and Mule Deer and Influence of Energy Development on Big Game Harvest,
2015	Tim Jackson Applied Economics	T	Chair	State Fiscal Impacts of changes in the Energy Industry
	Anna Ohlschwager Economics	T	Committee	Characterization of natural gas production at the well-level: Evidence from wells in the Wyoming Thrust Belt, Green River and Wind River Basins
	Weingardt, Christopher P.,	T	Committee	Wyoming School Facility Planning
2014	Abby Perry (AGEC)	T	Committee	Reclamation Costs in Coal Mines in the Powder River Basin (tentative title)
	Dale Novotny (AGEC)	T	Co-Chair	Small Farmer Decision making for Milpa versus export crops in the Altiplano of Guatemala (tentative title)
	Anna Scofield (AGEC)	T	Committee	Federal Costs of Fire Suppression in the Wild land Urban Interface
	Anteneh Tesfaw (ECON)	Di	Committee	Essays on the Economics of Competing Land Uses and Endogenous Tenure Security
2012	Nate Storey (Plant Sciences)	Di	Committee	Vertical Aquaponic Crop Production Towers and Associated Produce Sales and Distribution Models: Design, Development, and Analysis
2012	Lisa Cox (Ecosystem Science and Mgt.)	T	Committee	Analysis of Remediation Strategies for 226a-Contaminated Soils from ISR Surface Spills in Uranium Mining
2011	Betsy Mock (AGEC)	T	Committee	Economics of Native Seed Supply for for Reclamation and Restoration of Disturbed Lands
2011	Greg Torrell (ECON)	Di	Committee	Economics of Electricity in the presence of stochastic energy sources (preliminary title)
2011	Natalie Macsalka (AGEC)	T	Committee	Wind Power and Sage Grouse Tradeoffs
2010	Bryan Wilson (AGEC)	T	Committee	Economic Impact of Brucellosis Management Policies in Wyoming.



Year	Student	Dissert. (Di), Thesis (T)	Committee member (C) or Chair (ch)	Dissertation / Thesis Title
2009	Yoshiyuki Igarashi (AGEC)	T	Co-Chair	Optimal Bonding System for Oil Companies and Agencies with Dynamic Optimization Method
2009	Milton Geiger (AGEC)	T	Co-Chair	Federal Greenhouse Gas Regulation and Wyoming's Energy Derived Tax Revenue
2009	Bridgette White (AGEC)	B	Co-Chair	Reclamation Cost Analysis of Oil and Gas Development in Wyoming
2008	Erdal Kara (ECON)	Di	Committee	Economic Analysis of Secondary and Enhanced Oil Recovery Techniques in Wyoming
2006	Chris Cooke (AGEC)	T	Co Chair	The United States resource curse: An empirical growth approach
2004	Desiree Olson (AGEC)	T	Chair	Socio-economic analysis of Wyoming nonprofit board members
2001	David Finnoff (ECON)	Di	Committee	Essays on jointly determined systems: Integrating economics and ecology
2000	Jennifer Bates (AGEC)	B	Co Chair	The Economic Impact of Recreation on Bureau of Land Management Lands: A Wyoming Case Study
2000	Shannon Porter (AGEC)	B	Co Chair	Outdoor Recreation Use on Public Lands: Evaluation of BLM RMIS Data

## Selected Grants and contracts

2023	Hufford, K., F. Nippgen, R. Coupal, E. Gage. Evaluating Post-mining Landscapes: Contrasting Ecosystem Functions and Economic Feasibility of Geomorphic and Traditional Reclamation. Submitted NSF, Environmental Sustainability	\$450,000 in preparation
2022	Hufford, K., F. Nippgen, R. Coupal, E. Gage. Evaluating Post-mining Landscapes: Contrasting Ecosystem Functions and Economic Feasibility of Geomorphic and Traditional Reclamation. Submitted NSF, Environmental Sustainability	\$450,000 (not funded)
2020	Coupal, R., A. Alexander, Economic Impact of the Wyoming State Parks and Cultural Resources Operations	\$64000
2020	Hufford, K., F. Nippgen, R. Coupal, E. Gage. Evaluating Post-mining Landscapes: Contrasting Ecosystem Functions and Economic Feasibility of Geomorphic and Traditional Reclamation. Submitted to the Federal Office of Surface Mining Reclamation and Enforcement	\$199,998, (not funded)
2019	Coupal, R. Economic Impact of the Wyoming Pari-mutuel Industry Submitted to State Parimutuel Board	\$40,000
2018	Alexander, A., and R. Coupal. "Economic Impact of the Jackson Creek Ranch	\$15,000
2017	Paige, G., R. Coupal, Integrated Geospatial Multi-objective Decision Making for	Not funded
	Stoy, P., B. Rashford, J. Ritten, S. Albeke, R. Coupal, R. Godby, et al., Sustainable	\$1,821,368
	Godby, R. B. Cook, R. Coupal. Assessment of industrial electricity rate increases	Pending
2015	Sustainable socio-economic, ecological, and technological scenarios for achieving	\$1.9 Million
	Economic Assessment of Wind power tax in Wyoming	\$30,000
	Project Leaders: Julia Haggerty Montana State U. (and others Penn State U.	\$212,500
2014	Project Leaders : Bruce Parkenson, Jonathon Naughton, Robert Godby (15 others	\$4.25 Million
	Robert Godby, Tim Considine, David Taylor, Roger Coupal. "Economic Impact of	\$70,000
	Kristi Hansen, Ginger Paige, Roger Coupal, Anne McKinnon, Melanie Purcell, Eric	\$75,000
	Kristiana Hansen, Ginger Paige, Roger Coupal. Western SARE. Development of a	\$248,476
2010	William K. Lauenroth, Carl S. Weimer, Kenneth L. Driese, Roger Coupal, Ramesh	\$380,712
	William K. Lauenroth, Carl S. Weimer, Kenneth L. Driese, Roger Coupal, Ramesh	\$60,000
	Christopher T. Bastian (PI), Thomas K. Foulke (Co-PI), and Roger H.	\$36,000
2009	Kristiana Hansen (PI), Roger Coupal, Ginger Paige. Development of a Market for Ecosystem Services in the Wyoming Green River Basin.	\$69,830
2009	Taylor, D.T., T. Foulke, & R.H. Coupal. ICF Incorporated, LLC. Economic Analysis for BLM Big Horn Basin RMP	\$45,000 (unfunded)
2008	Dannele E. Peck, Benjamin S. Rashford, Roger Coupal, David Finnoff. Wyoming Brucellosis Coordination Team. Regional Economic Impacts of	\$234,000 (unfunded)

2008	Tools for Fiscally Responsible Planning: Spatially Precise Fiscal Impact Models and Growth Efficiency Models, Scott Lieske, Research Scientist, Wyoming Geographic	\$59,667
2004/ 2005	Wyoming Water Development Commission. "An Evaluation of the WWDC Rural Water Development Fund." Roger Coupal, Donald McLeod, Jeff Hammerlinck	\$150,000
2003/ 2004	Western Rural Development Center. Grant to develop local Leadership Institutes and convene a western regional conference on community leadership	\$12,000
2002/ 2003	State of Wyoming, Office of Federal Land Policy, Economic Impact of the Preble's Meadow Jumping Mouse" David T. Taylor and Roger Coupal	\$75,000
	State of Wyoming, Office of Federal Land Policy. "Economic Impact Analysis of	\$90,000
	SBIR Phase II Grant: Determining the Commercialization Potential For Osha	\$293,000