

PATRICIA HERNANDEZ

• patty@headwaterseconomics.org • 406-599-7425 • PO Box 7059 • Bozeman, MT 59771 •

EXPERTISE

organizational leadership | applied economic & public policy research | fundraising and grants management | community development | strategic communication

SELECTED EXPERIENCE

HEADWATERS ECONOMICS

Helena, MT

Executive Director, Jan 2020 – present

- Oversee programmatic work and 10 FTE, manage strategic priorities, overall operations, and a \$2,500,000+ annual budget.
- Develop and implement the organization's goals and strategic framework.
- Create networks and widely disseminate the work of the organization.
- Identify and pursue fundraising goals to meet staffing and programmatic needs.
- Ensure that grant and contract requirements are satisfied, and timelines are met.
- Serve on Headwaters Economics' Board, maintain board relationships and help cultivate new board members as needed.
- Manage and mentor staff, hire and support talent, offer professional and leadership training opportunities, ensure talents meet the needs of the organization.

Associate Director, 2016-2021; Project Manager, 2006-2016; Cofounder

- Oversee programmatic work and 8 FTE, manage strategic priorities, overall operations, and a \$1,400,000+ annual budget.
 - Provide financial oversight, contract management, and serve as Treasurer and Secretary of Headwaters Economics' Board.
 - Work directly with local and federal agencies, elected officials, city staff, community leaders, and non-profit partners to further their understanding of socioeconomic trends and opportunities that yield long-term, equitable benefits.
 - Manage 30+ quantitative and data intensive projects, including study design, consultant management, modeling, and scientific and popular writing, and outreach.
 - Manage technology projects including setting goals, priorities, and project timelines, and coordinating data visualization and GIS support for research staff.
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THE SONORAN INSTITUTE

Bozeman, MT

Project Manager, 2004-2005

- Conduct socioeconomic research, applying statistical modeling, GIS, database management, and development of custom computer applications.
- Plan, create, and maintain the Sonoran Institute's geographic information system including hardware, software, databases, and documentation.
- Prepare presentation-quality maps, grant proposals, documentation, reports, and scientific manuscripts.
- Presenting research findings to a range of audiences including academics, activists, local government officials, and the public.

EDUCATION

M.S. in Biological Sciences, emphasis in GIS and Statistics, Montana State University, 2004
GPA 4.0. Thesis: "Rural Residential Development in the Greater Yellowstone: Rates, Drivers, and Alternative Future Scenarios."

B.S. in Wildlife Ecology and Conservation, University of Florida, 1999
GPA 3.96. Minor in Zoology.

SELECTED PUBLICATIONS

- Smith, K., A. Savitt, P.Hernandez [formerly Gude]. "Building for the Future: Five Midwestern Communities Reduce Flood Risk." Headwaters Economics, October 2020, <https://headwaterseconomics.org/natural-hazards/communities-reduce-flood-risk/>.
- Lawson, M.M., P.H. Gude. "How to Use Economics to Build Support for Climate Adaptation." Headwaters Economics, December 2019, <https://headwaterseconomics.org/equity/climate-change/economics-climate-adaptation/>.
- Lawson, M.M., R. Rasker, P.H. Gude. 2014. The importance of non-labor income: An analysis of socioeconomic performance in western counties by type of non-labor income. *Journal of Regional Analysis and Policy* 44(2): 175-190.
- Haggerty, J., P.H. Gude, M. Delorey, R. Rasker. 2014. Long-term effects of income specialization in oil and gas extraction: The U.S. West, 1980-2011. *Energy Economics* 45: 186-195
- Gude P.H., K.L. Jones, R. Rasker, M.C. Greenwood. 2013. Evidence for the effect of homes on wildfire suppression costs. *International Journal of Wildland Fire* 22(4): 537-548.
- Gude P.H., R. Rasker, K.L. Jones, J.H. Haggerty, M.C. Greenwood. 2012. The Recession and the New Economy of the West: The Familiar Boom and Bust Cycle? *Growth and Change* 43(3): 419-441.

SYNERGISTIC ACTIVITIES**Oversee flood and wildfire community assistance programs at Headwaters Economics.**

We work with communities to identifying mitigation options, land use planning solutions, funding strategies, and build local capacity through workshops, trainings, and peer-to-peer learning. To date 70 communities across 14 states have improved resilience to climate change by following our recommendations to strengthen land use codes and ordinances, train staff, create education programs for builders and architects, develop and fund mitigation projects focused on vulnerable populations, and hire new personnel. See <https://headwaterseconomics.org/natural-hazards/>.

Partner with GLISA and SCIPP to co-produce vulnerability assessment tools with Great Lakes and Gulf community partners.

Headwaters Economics is leading tool development to integrate climate and socioeconomic data for mapping risk exposure and building city-specific stormwater vulnerability assessments on a multiyear project funded by the National Academy of Sciences, Engineering, and Medicine Gulf Research Program. See <https://floodwisecommunities.org/> and <https://headwaterseconomics.org/tools/>.

Facilitate a RISA scoping project focused on fiscal policy for advancing climate adaptation.

Headwaters Economics is facilitating a working group of NOAA RISA network members to discuss interactions of fiscal policies and climate adaptation. The purpose of this scoping project is to generate research questions for future work. See <https://headwaterseconomics.org/events/risa-scoping-project/>.
