

Chelsea Schelly, Ph.D.

Associate Professor of Sociology
Department of Social Sciences
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EMPLOYMENT

2017-Present Associate Professor of Sociology, Department of Social Sciences
Environmental and Energy Policy Graduate Program
Michigan Technological University

2013-2017 Assistant Professor of Sociology, Department of Social Sciences
Environmental and Energy Policy Graduate Program
Michigan Technological University

EDUCATION

2013 Ph.D., Sociology, University of Wisconsin-Madison
Minor in Science and Technology Studies
Certificate in Humans and the Global Environment (NSF-IGERT)

2008 M.A., Sociology, Colorado State University

2005 B.A. with honors, Sociology, University of Wisconsin-Madison
Certificate in Environmental Studies

BOOKS (* indicates student collaborator)

Halvorsen, K.E., Schelly, C., Handler, R., Pischke, E.,* Knowlton, J., Eds. 2019. *A Research Agenda for Environmental Management*. Edward Elgar.

Schelly, C., and Banerjee, A.,* Eds. 2018. *Environmental Policy and Pursuit of Sustainability*. Routledge.

Schelly, C. 2017. *Dwelling in Resistance: Living with Alternative Technologies in America*. Rutgers University Press.

Schelly, C. 2014. *Crafting Collectivity: American Rainbow Gatherings and Alternative Forms of Community*. Boulder, CO: Paradigm Publishers. Reprinted by Routledge, 2016

PUBLICATIONS (* indicates student collaborator)

Ahamed, S., Schelly, C., Floress, K., Lytle, W., Caggiano, H., Cuite, C., Wallace, C., Cook, R., Jarvis, R., Shwom, R., Watkins, D. (Forthcoming) "Being Able to Work Has Kept Our Life Fairly Constant:" Reconciling Social Practice Models to Assess the Impact of (Infra)Structural Inequities on Household Wellbeing During the COVID-19 Pandemic. *Environmental Research: Infrastructure and Sustainability*

Caggiano, Holly B.*, Ahamed, S., Lytle, W.*, Schelly, C., Floress, K., Cuite, C., Shwom,

- R. (2023) Green Roles at Home: Exploring the Impact of Household Social Dynamic Processes on Consumption at the Food-Energy-Water (FEW) Nexus. *Journal of Environmental Studies and Sciences* <https://doi.org/10.1007/s13412-023-00824-x>
- Lee, D.*, Schelly, C., Tiwari, S.*, Smith, S., Gagnon, V. (2023) Preferences and Perceived Barriers to Pursuing Energy Sovereignty and Renewable Energy: A Tribal Nations Perspective. *Energy Research & Social Science* 97 <https://doi.org/10.1016/j.erss.2023.102967>
- Pascaris, A.*, Schelly, C., Pearce, J. (2022). Advancing Agrivoltaics within the U.S. Legal Framework: A Multidimensional Assessment of Barriers & Opportunities. *Agrivoltaics 2021 AIP Conference Proceedings*. 2635, 050002 <https://doi.org/10.1063/5.0103386>
- Tiwari, S.*, Schelly, C., Ou, G., Ardakani, M.S., Chen, J. (2022). Conceptualizing Resilience: An Energy Services Approach. *Energy Research and Social Science* 94: <https://doi.org/10.1016/j.erss.2022.102878>
- Eaton, W., T. Robertson, J. Arbuckle, K. Brasier, M. Burbach, M. Burnham, S. Church, C. Eberly, G. Hart-Fredeluces, D. Jackson-Smith, A. Rogers, G. Wildermuth, Katherine Canfield, S. Cordova, C. Chatelain, J. Edwards, L. Fowler, Z. Hurst, C. Kirchhoff, M. Manheim, R. Martinez, A. Mook, C. Mullin, L. Murrah-Hanson, C. Onabola, L. Parker, E. Redd, C. Schelly, M. Schoon, W. Sigler, E. Smit, T. van Huysen, L. Verbrugge, AND M. Worosz. (2022). Advancing the Scholarship and Practice of Stakeholder Engagement in Working Landscapes: A Co-Produced Research Agenda. *Socio-Ecological Practice Research* 4 283–304 <https://doi.org/10.1007/s42532-022-00132-8>
- Pearce, J.M., Tiwari, S., Schelly, C. (2022). Canadian Professors' Views on Establishing Open Source Endowed Professorships. *Cogent Education* 9(1) <https://doi.org/10.1080/2331186X.2022.2122255>
- Pascaris, A.*, Schelly, C., Rouleau, M., Pearce, J. (2022). Do Agrivoltaics Improve Public Support for Solar? A Survey on Perceptions, Preferences, and Priorities. *Green Technology, Resilience, and Sustainability* 2(8) <https://doi.org/10.1007/s44173-022-00007-x>
- Ketola, Z.*, Lytle, W.*, Schelly, C., Rudnicki, M., Kelly, M. (2022). Perspectives on the social license of the forest products industry from rural Michigan, United States. *WikiJournal of Science*. Wikidata Q104049454. ISSN 2470-6345.

Kumar, P.*, Caggiano, H.* Cuite, C., Andrews, C., Felder, F., Shwom, R., Floress, K., Ahamed, S., Schelly, C. (2022). Behaving or not? Explaining energy conservation via identity, values, and awareness in U.S. suburban homes. *Energy Research and Social Sciences* 92 <https://doi.org/10.1016/j.erss.2022.102805>

Pearce, J.M., Pascaris, A.*, Schelly, C. (2022). Professors Want to Share: Preliminary Survey Results on Establishing Open Source Endowed Professorships. *SN Social Sciences*. <https://doi.org/10.1007/s43545-022-00524-3>

Gagnon, V., Schelly, C., Lytle, W.*, Kliskey, A., Dale, V., Marshall, A-M, Rodriguez, L., Williams, P., Price, M.W., Redd, E., Noodin, M.A. (2022). Enacting Boundaries or Building Bridges? Language and Engagement in Food-Energy-Water Systems Science. *Socio-Ecological Practice Research* <https://doi.org/10.1007/s42532-022-00110-0>

Burnmann, L.*, Kelly, M., Schelly, C., Bal, T. (2022). Formative Interests and Pathways to Natural Resources Careers among Historically Underrepresented People. *Society & Natural Resources*. 35(3):260-280. DOI: 10.1080/08941920.2022.2028046

Floress, K., Shwom, R., Berman, H.*, Slattery, J.*, Cuite, C., Schelly, C., Halvorsen, K.E., Lytle, W.* (2022). Habitual Food, Energy, and Water Consumption Behaviors among adults in the United States: Comparing Models of Values, Norms, and Identity. *Energy Research and Social Science* 85 <https://doi.org/10.1016/j.erss.2021.102396>

Tiwari, S.*, Schelly, C., Sidortsov, R. (2021). Developing a Legal Framework for Energy Storage Technologies in the U.S: The Case of Pumped Storage Underground Hydro. *The Electricity Journal* 34 (10) <https://doi.org/10.1016/j.tej.2021.107048>

Schelly, C., Gagnon, V., Arola, K., Fiss, A., Schaefer, M., Halvorsen, K.E. (2021). Cultural Imaginaries or Incommensurable Ontologies? Recognizing relationality and sovereignty as worldviews in socio-technological system transitions. *Energy Research and Social Science* 80 <https://doi.org/10.1016/j.erss.2021.102242>

Pascaris, A.S.*, Schelly, C., Burnham, L., Pearce, J. (2021). Integrating Solar Energy with Agriculture: Industry Perspectives on the Market, Community, and Socio-Political Dimensions of Agrivoltaics. *Energy Research and Social Science* 75 <https://doi.org/10.1016/j.erss.2021.102023> (cited 45 times as of 10/26/22)

Knowlton, J.L., Halvorsen, K.E., Flaspohler, D.J., Webster, C.R., Abrams, J., Almeida, S.M., Arriaga Weiss, S.L., Barnett, B.*, Cardoso, M.R., Cerqueira, P.V., Córdoba, D., Persio Dantas Santos, M., Dunn, J.L.*, Eastmond, A., Jarvi, G.M., Licata, J.A., Mata Zayas, E.E., Medeiros, R., Azahara Mesa Jurado, M., Yamily Moo Culebro, L., Moseley, C., Nielsen, E., Phifer, C.C.*, Pischke, E.C.*, Schelly, C., Selfa, T., Silva, C.A., Souza, T., Sweitz, S.R., Vázquez Navarrete, C.J. (2021). Birds and bioenergy within the Americas: a cross-national, social-ecological study of ecosystem service tradeoffs. *Land* 10, 258. <https://doi.org/10.3390/land10030258>

Schaefer, M., Olabisi, L.S., Arola, K., Poitra, C.M. Matz, E., Seigel, M., Schelly, C., Adesanya, A.,* Bessette, D. (2021). Understanding Socio-Technological Systems Change through an Indigenous Community-Based Participatory Framework. *Sustainability* 13 <https://doi.org/10.3390/su13042257>

Kliskey, A., Williams, P., Griffith, D., Dale, V.H., Schelly, C., Marshall, A.M., Gagnon, V., Eaton, W., Floress, K. (2021). Thinking big and thinking small: A conceptual framework for best practices in community and stakeholder engagement in food, energy, and water systems. *Sustainability* 13 <https://doi.org/10.3390/su13042160>

Schelly, C., Lee, D.*, Matz, E., Pearce, J.M. (2021). Applying a Relationally and Socially Embedded Decision Framework to Solar Photovoltaic Adoption: A Conceptual Exploration. *Sustainability* 13(2), 711; <https://doi.org/10.3390/su13020711>

Lytle, W.*, Meyer, T.K., Tanikella, N.G., Burnham, L., Engel, J., Schelly, C., Pearce, J.M. (2021). Conceptual Design and Rationale for a New Agrivoltaics Concept: Pastured-Raised Rabbits and Solar Farming. *Journal of Cleaner Production*. 282 <https://doi.org/10.1016/j.jclepro.2020.124476> (cited 32 times as of 10/26/22)

Lytle, W.*, Schelly, C., Floress, K., Shwom, R., Halvorsen, K. (2020). Environmental Decision Making Shaped by the Home: Situating Consumption in the Household Context. *Human Ecology Review* 26

Pascaris, A.S.*, Schelly, C., Pearce, J.M. (2020). A First Investigation of Agriculture Sector Perspectives on the Opportunities and Barriers for Agrivoltaics. *Agronomy* 10, 1885. [doi:10.3390/agronomy10121885](https://doi.org/10.3390/agronomy10121885) (cited 47 times as of 10/26/22)

Schelly, C., Prehoda, E.*, Price, J., Delach, A., Thapaliya, R. (2020). Ratepayer

Perspectives on Mid- to Large-Scale Solar Development on Long Island, NY: Lessons for Reducing Siting Conflict through Supported Development Types. *Energies* 13
doi:10.3390/en13215628

Schelly, C., Bessette, D., Brosemer, K.*, Gagnon, V., Arola, K., Fiss, A., Pearce, J.M., Halvorsen, K.E. (2020). Energy Policy for Energy Sovereignty: Can policy tools enhance energy sovereignty? *Solar Energy* 205: 109-112.

<https://doi.org/10.1016/j.solener.2020.05.056> (cited 34 times as of 10/26/22)

Adesanya, A.*, Sidortsov, R.V., Schelly, C. (2020). Act locally, transition globally: Grassroots resilience, local politics, and five municipalities in the United States with 100% renewable electricity. *Energy Research and Social Science* (67).

<https://doi.org/10.1016/j.erss.2020.101579> (cited 29 times as of 10/26/22)

Schelly, C., Letzelter,* J. (2020). Examining the Key Drivers of Residential Solar Adoption in Upstate New York. *Sustainability* 12(6), 2552;
<https://doi.org/10.3390/su12062552>

Schelly, C., Price, J., Delach, A., Thapaliya, R., Leu, K. (2019). Improving Solar Development Policy and Planning through Stakeholder Engagement: The Long Island Solar Roadmap Project. *The Electricity Journal* 32(10)

<https://doi.org/10.1016/j.tej.2019.106678>

Adesanya, A.*, Schelly, C. (2019). Solar PV-Diesel Hybrid Systems for the Nigerian Private Sector: An Impact Assessment. *Energy Policy* 132: 196-207.

<https://doi.org/10.1016/j.enpol.2019.05.038> (cited 29 times as of 10/26/22)

Prehoda, E.*, Pearce, J.M., Schelly, C. (2019). Policies to overcome barriers for renewable energy distributed generation: A case study of utility structure and regulatory regimes in Michigan. *Energies*. 12(4), 674; <https://doi.org/10.3390/en12040674> (cited 33 times as of 10/26/22)

Prehoda, E.*, Winkler, R., Schelly, C. (2019). Putting research to action: Integrating collaborative governance and community engaged research for community solar. *Social Sciences* 8(11) doi:10.3390/socsci8010011

Schelly, C. (2018). Bringing the Body into Environmental Behavior: The Corporeal

Element of Social Practice and Behavioral Change. *Human Ecology Review*.
<https://openresearch-repository.anu.edu.au/bitstream/1885/142831/3/Schelly.pdf>

Rahman, S.M. Mizanur,* Schelly, C., Norman, E.S., Mayer, A.L. (2018). Breaking Ships to Build a Nation: Uncovering Discursive Framings of the Bangladesh Shipbreaking Industry. *Social Sciences* 7(1), doi:[10.3390/socsci7010014](https://doi.org/10.3390/socsci7010014).

Schelly, C., Louie, E.P.,* Pearce, J.M. (2017). Examining Interconnection Policy and Net Metering Compensation for Distributed Generation in the United States. *Renewable Energy Focus* 22/23: 10-19. <https://doi.org/10.1016/j.ref.2017.09.002> (cited 40 times as of 10/26/22)

Banerjee, A.* Prehoda, E.,* Sidortsov, R., Schelly, C. (2017). Renewable, ethical? Assessing the energy justice potential of renewable electricity. *AIMS ENERGY* 5(5): 768-797. doi: 10.3934/energy.2017.5.768 (cited 25 times as of 10/26/22)

Prehoda, E.,* Schelly, C., Pearce, J.M. (2017). U.S. Strategic Solar Photovoltaic-Powered Microgrid Deployment for Enhanced National Security. *Renewable & Sustainable Energy Reviews* 78: 167-175. <https://doi.org/10.1016/j.rser.2017.04.094> (cited 51 times as of 10/26/22)

Banerjee, A.* Schelly, C., Halvorsen, K.E. (2017). Understanding public perceptions of wood-based electricity production in Wisconsin, United States: place-based dynamics and Social Representations. *Environmental Sociology* 3(4): 381-393.
<http://dx.doi.org/10.1080/23251042.2016.1272181>.

Schelly, C., Banerjee, A.* (2016). Soft Energy Paths Revisited: Politics and Practice in Energy Technology Transitions. *Challenges* 7, 16, doi:10.3390/challe7020016.

Kreuze, A.* Schelly, C., Norman, E.S. (2016). To Frack or not to Frack: Perceptions of the Risks and Opportunities of High-Volume Hydraulic Fracturing in the United States. *Energy Research and Social Science* 20: 45-54. <http://dx.doi.org/10.1016/j.erss.2016.05.010> (cited 41 times as of 10/26/22)

Schelly, C. (2016). Understanding Energy Practices: A Case for Qualitative Research. *Society & Natural Resources* 29(6): 744-749.
<http://dx.doi.org/10.1080/08941920.2015.1089613>

Schelly, C. (2015). What's Political about Solar Electric Technology? The User's Perspective. *Engaging Science, Technology & Society* 1: 25-46.

Schelly, C. (2015). Frameworks for Understanding and Promoting Solar Energy Technology Development. *Resources* 4: 55-69.

Schelly, C., Anzalone, G., Wijnen, B.,* Pearce, J. (2015). Open-Source 3-D Printing Technologies for Empowered and Transformative Education: Bringing Additive Manufacturing to the Classroom. *Journal of Visual Languages and Computing* 28: 226-237. (Cited 235 times as of 10/26/22)

Schelly, C. (2014). Are Residential Dwellers Marking and Claiming? Applying the Concepts to Humans Who Dwell Differently. *Environment and Planning D: Society and Space* 32(4): 672-688.

Schelly, C. (2014). Residential Solar Electricity Adoption: What Motivates, and What Matters? A Case Study of Early Adopters. *Energy Research and Social Science* 2: 183-191. (Cited 300 times as of 10/26/22)

Schelly, C. (2014). Implementing Renewable Energy Portfolio Standards: The Good, the Bad, and the Ugly in a Two State Comparison. *Energy Policy* 67: 543-551. (Cited 62 times as of 10/26/22)

Schelly, C., Price, J. (2014). Utilizing GIS to Examine the Relationship Between State Renewable Portfolio Standards and the Adoption of Renewable Energy Technologies. *International Journal of Geo-Information* 3(1): 1-17.

Schelly, C., Cross, J.E., Franzen, W.S., Hall, P., Reeve, S. (2012). How to Go Green: Creating a Conservation Culture in a Public High School through Education, Modeling, and Communication. *Journal of Environmental Education* 43(3): 143-161. (Cited 126 times as of 10/26/22)

Schelly, C., Cross, J.E., Franzen, W.S., Hall, P., Reeve, S. (2011). Reducing energy consumption and creating a conservation culture in organizations: A case study of one public school district. *Environment and Behavior* 43(3): 316-343. (Cited 120 times as of 10/26/22)

Alatout, S., Schelly, C. (2010). Rural Electrification as a "Bioterritorial" Technology:

Redefining Space, Citizenship, and Power during the New Deal. *Radical History Review* 107: 127-138.

Schelly, C. (2010). Testing residential solar thermal adoption. *Environment and Behavior* 42(2): 151-170. (Cited 42 times as of 10/26/22)

Zahran, S., Brody, S.D., Vedlitz, A., Lacy, M.G., Schelly, C. (2008). Greening local energy: Explaining the geographic distribution of household solar use in the United States. *Journal of the American Planning Association* 74(4): 419-434. (Cited 63 times as of 10/26/22)

BOOK CHAPTERS (* indicates student collaborator)

Lytle, W.*, Schelly, C., Berman, H.*, Floress, K. (2022). The social class and lifestyle embeddedness of being within energy infrastructures. Forthcoming in *Infrastructural Being. Rethinking dwelling in a naturecultural world*, Page 87-114 in edited by Jarno Valkonen, Veera Kinnunen, Heikki Huilaja & Teemu Loikkanen. Palgrave Macmillan

Bessette, D., Schelly, C., Schmitt Olabisi, L., Gagnon, V., Fiss, A., Arola, K., Matz., E., Ong, R., Halvorsen, K.E. (2022). Energy democracy in practice: Centering energy sovereignty in rural communities and Tribal Nations. In *Routledge Handbook of Energy Democracy*, Eds. A. Feldpausch-Parker, D. Endres, T. Rai Peterson, and S. Gomez. Routledge Press.

Schelly, C., Pearce, J.M. (2020). Bridging the Social and Environmental Dimensions of Global Sustainability in STEM Education with Additive Manufacturing. Chapter 8 (Pages 155-172) In Ali, N., Khine, M.S. (Eds). *Integrating 3D printing into teaching and learning: Practitioners' perspectives*. Leiden, the Netherlands: Brill Publishing.

Schelly, C. (2019). Pursuing Sustainable Consumption through Diverse Alternative Economies: A Comparative Examination of Two US Intentional Communities. Page 121-138 in *Sustainable Consumption – Promise or Myth? Case Studies from the Field*. Edited by Jean Leon Boucher and Jukka Heinonen. Cambridge Scholars Publishing.

Sidortsov, R., Heffron, R., Schelly, C., Mose, T.M., Tarekegne, B*. (2019). In Search of Common Ground: Energy Justice Perspectives in Fossil Fuel Extraction. In Halvorsen, K.E., Schelly, C., Handler, R., Pishcke, E., Knowlton, J., Eds. *A Research Agenda for Environmental Management*. Edward Elgar.

- Barnett, B.*, Prehoda, E.*, Kantamneni, A.*, Winkler, R., Schelly, C. (2019). Sociotechnical Dimensions of Solar Technology Adoption. In Halvorsen, K.E., Schelly, C., Handler, R., Pishcke, E., Knowlton, J., Eds. *A Research Agenda for Environmental Management*. Edward Elgar.
- Abrams, J., Cordoba, D., Gorman, H., Schelly, C., Sidortsov, R. (2019). Power within and beyond the state: Understanding how power relations shape environmental management. In Halvorsen, K.E., Schelly, C., Handler, R., Pishcke, E., Knowlton, J., Eds. *A Research Agenda for Environmental Management*. Edward Elgar.
- Watkins, D., Shwom, R., Schelly, C., Agusdinata, D., Floress, K., Halvorsen, K.E. (2019). Household Conservation and the Food-Energy-Water Nexus. In Halvorsen, K.E., Schelly, C., Handler, R., Pishcke, E., Knowlton, J., Eds. *A Research Agenda for Environmental Management*. Edward Elgar.
- Banerjee, A.*, Schelly, C. (2018). When one size does not fit all: Environmental Policy, Social Context, and Social Justice. In Schelly, C., Banerjee, A.*, Eds. *Environmental Policy and Pursuit of Sustainability*. Routledge.
- Banerjee, A.*, Schelly, C. (2018). Social and political inequality as challenges in technology diffusion: Evidence from government-funded improved cookstove program in rural Mexico. In Schelly, C., Banerjee, A.*, Eds. *Environmental Policy and Pursuit of Sustainability*. Routledge.
- Kreuze., A.*, Sidortsov, R, Schelly, C. (2018). The Power of the Talking Points: Persuasive Power and the Challenges of Sustainable Natural Resource Development. In Schelly, C., Banerjee, A.*, Eds. *Environmental Policy and Pursuit of Sustainability*. Routledge.
- Schelly, C., Banerjee, A.* (2018). Environmental Policy and Pursuit of Just Sustainability. In Schelly, C., Banerjee, A.*, Eds. *Environmental Policy and Pursuit of Sustainability*. Routledge.
- Banerjee, A.*, Schelly, C., Halvorsen, K.E. (2018). Constructing A Sustainable Bioeconomy: Multi-scalar Perceptions of Sustainability. Page 355-374 in Filho, W., Pociovalisteanu, D., Borges de Brito, P., Borges de Lima, I., Eds., *Towards a Sustainable Bioeconomy: Principles, Challenges and Perspectives*. Springer.

Schelly, C. (2016). Everyday Household Practice in Alternative Residential Dwellings: The Non-Environmental Motivations for Environmental Behavior. Pages 265-280 in Meyer, J., Kersten, J., Eds., *The Greening of Everyday Life: Challenging Practices, Imagining Possibilities*. New York: Oxford University Press.

Schelly, C. (2016). How Policy Frameworks Shape Environmental Practice: Three Cases of Alternative Dwelling. Pages 185-203 in Kennedy, E.H., Cohen, M.J., Krogman, N., Eds., *Putting Sustainability into Practice: Advances and Applications of Social Practice Theories*. Cheltenham, UK: Edward Elgar.

Schelly, C. (2014). Transitioning to Renewable Sources of Electricity: Motivations, Policy, and Potential. Pages 62-72 in Kleinman, D.L., Cloud-Hansen, K., Handelsman, J., Eds., *Controversies in Science and Technology, Volume 4*. New York: Oxford University Press.

EXTERNAL FUNDING AWARDS

- Fall 2022 “Electrification and climate resilience in the rural north: Challenges and opportunities,” Alfred P. Sloan Foundation. Dyreson, A., PI, Schelly, C., Sidortsov, R., Scarlett, T., MTU co-PIs. Funding: \$499,445. Project period: 12/22-11/25
- Fall 2022 “Energy Service Security for Public Health Resilience (ESS-PHR),” Natural Hazards Center Research in U.S. Territories, Tribal Areas, and Rural Communities Award, led by Shardul Tiwari, Dr. C. Schelly, co-PI. Funding: \$49,230. Project period: 11/22-7/23
- Fall 2021 “Socio-Technological Guided Enhancement of Power Infrastructure Resilience,” National Science Foundation Strengthening American Infrastructure EAGER Award. Schelly, C., PI. Sahraei-Ardakani, M., Ou, G., Chen, J., co-PIs. Funding: \$298,883. Project period: 12/21-11/23.
- Spring 2020 “Consumption Behaviors and COVID-19: A More Sustainable Reconfiguration of FEW Consumption?” National Science Foundation RAPID Award. Watkins, D., PI, Schelly, C., Shwom, R., Wallace, C., co-PIs. Funding: \$190,764. Project period: 5/20-4/22.
- Spring 2020 “Social implications of genetically improved trees: Assessing public and forest owner attitudes, risk perceptions, and willingness to adopt,” US Department of Agriculture, National Institute of Food and Agriculture, Agriculture and Food Research Initiative Award. Kulheim, C., PI, Schelly, C., Rouleau, M., co-PIs. Funding: \$475,000. Project period: 9/20-8/24.

- Spring 2020 "The Energizer Bunny: Dual-Use Photovoltaic and Pasture-Raised Rabbit Farms." Department of Energy. FOA/Award#: DE-EE0008990. Pearce, J.M., PI, Schelly, C., co-PI. Funding: \$182,580. Project period: 2/20-5/21.
- Fall 2019 "Collaborative Research: GCR: A Convergent Discipline in Socio-Technological System Transitions: Research on Michigan Community & Anishinaabe Renewable Energy Sovereignty [MICARES]," NSF Convergence Award, Halvorsen, K.E., PI, Ong, R., Schelly, C., Pearce, J.M., Winkler, R., co-PIs. Funding: \$1,250,341. Project period: 10/19-9/24.
- Fall 2019 "INFEWS/T3 RCN: EngageINFEWS – A Research Coordination Network (RCN) for Community and Stakeholder Engagement Critical to Innovations at the Nexus of Food, Energy, and Water Systems Science." NSF INFEWS RCN Award. Kliskey, A., PI., Schelly, C., Williams, P., Dale, V., Marshall, A.M., co-PIs. Funding: \$749,639. Project period: 8/19-9/24.
- Fall 2018 "Enhancing electrical grid and community resilience through repurposing decommissioned mines into underground pumped storage facilities," Alfred P. Sloan Foundation Award. Sidortsov, R., PI, Schelly, C., co-PI. Funding: \$49,963. Project period: 9/18-8/20.
- Fall 2018 "Long Island Solar Roadmap Project" Schelly, C., Contracted solar scientist PI. The Nature Conservancy and Defenders of Wildlife. 2-year project.
- Fall 2017 "Independent Risk Analysis for the Straits Pipelines" Task X Broader Impacts. Michigan Tech Contracted by State of Michigan. Report provided fall 2018.
- Fall 2017 "Increasing Low-to-Moderate Income Household's Access to the Benefits of Rural Public Power Community Solar Programs," Schelly, C., PI, Winkler, R., co-PI, American Public Power Association Demonstration of Energy & Efficiency Developments program. Project budget: \$69,224. Project period: 1/18-12/18.
- Fall 2016 "Reducing Household Food, Energy and Water Consumption: A Quantitative Analysis of Interventions and Impacts of Conservation," NSF-INFEWS. Watkins, D., PI, Agusdinata, B., Schelly, C., Shom, R., Evan, J., co-PIs. Funding: \$2,983,358, Project period: 10/16-9/21.
- Fall 2015 "Coupled Production-Consumption Systems for Climate Change

Mitigation: Designing Equitable Food, Energy, and Water Conservation Strategies." NSF Conference Planning Grant. Watkins, D., Halvorsen, K.E. Schelly, C., Affiliated Faculty, Planning Committee. Total funding: \$47,200.

- Summer 2015 Rural Sociological Society, Early Career Research Award
 Proposal title: "Policies for Self-Provisioning: Understanding the Success of Alternative Rural Communities." Funding amount: \$2,500.00
- Fall 2013 "Sustainability, Ecosystem Services, 2018 and Bioenergy Development across the Americas," NSF PIRE Award, Halvorsen, K.E., PI. Schelly, C., Senior Personnel
- 2010 – 2014 Environmental Protection Agency - Science To Achieve Results (STAR) Graduate Fellowship (EPA_F2009-STAR-13), FP917171
 Research Category: "Science & Technology for Sustainability: Environmental / Behavior and Decision Making"
 Project Title: "Residential Solar Technology Adoption: Motivations for Environmental Behavior and Experiences with Alternative Energy Systems"
- 2008 – 2012 Fellowship, National Science Foundation, CHANGE-IGERT Interdisciplinary Graduate Education and Research Traineeship: Certificate on Humans and the Global Environment, University of Wisconsin-Madison

SELECT INVITED LECTURES since 2017

"The social aspects of socio-technological systems transitions," invited lecture for the University of Ottawa's Institute for Science, Society, and Policy, as part of awarded Fulbright Research Chair in Science and Society, February 2022

"Energy transitions to enhance energy sovereignty: The Michigan Community and Anishinaabe Renewable Energy Sovereignty Project," Wonder for Good, October 2021

"Michigan Tribes at the Clean Energy Transition," panel discussion, Michigan Climate and Clean Energy Summit, May 2021

"How can we apply Anishinaabe teachings to energy decision making," with Marie Schaefer, Groundworks Center for Community Resilience, March 2021

"Marketing Residential Solar to Women: Research Roundtable," invited roundtable

participant for national webinar organized by TerraCurrent, a green marketing firm in California, Oct. 2020

“Community input on role of policing in Houghton County,” invited presentation for the Houghton County Planning Commission, July 2020

“Intentional Communities: Living Sustainably with a Shared Purpose,” invited virtual lecture for Upper Peninsula Environmental Coalition, July 2020

“Becoming Intentional: Reforming Democracy in the Keweenaw,” invited discussant and panel chair, Good Shepard Lutheran Church, Houghton MI, Dec. 2017

“Dwelling in Resistance: Learning, Living, and Writing It,” invited lecture to Friends of the Michigan Tech Library annual meeting, Oct. 2017

“Researching Possibilities for Sustainability in Everyday Life,” invited lecture to the Lake Superior Stewardship Initiative Dinner and Dialogue, Houghton, MI, February 2017

TEACHING AT MICHIGAN TECH

Summer 2023 Introduction to Sociology; Science, Technology, and Society;
Racial Inequality (all online)

Spring 2023 Racial Inequality

Fall 2022 Science, Technology, and Society;
Social Thought, Contemporary Issues (graduate seminar)

Summer 2022 Introduction to Sociology, Science, Technology, and Society (online)

Fall 2020 History of Social Thought; Science, Technology, and Society

Summer 2020 Introduction to Sociology (online); Science, Technology, and Society
(online)

Spring 2020 Professional Development

Fall 2019 Science, Technology, and Society; Energy and Society
Student Evaluations for Energy and Society were in top 10% of University

Summer 2019 Introduction to Sociology, Science, Technology and Society

Spring 2019 Professional Development

Fall 2018 Science, Technology, and Society; History of Social Thought

Summer 2018 Introduction to Sociology, online summer session, Track A

Spring 2018 Ethnographic Research Methods

Fall 2017 Science, Technology, and Society;

- Environmental Governance and Decision Making (graduate seminar)
 Summer 2017 Introduction to Sociology (online)
 Special Topics course (online): Racial Inequality in Contemporary America
 Spring 2017 Introduction to Sociology; Research Design (graduate seminar)
 Special Topics course (online): Racial Inequality in Contemporary America
 Fall 2016 Science Technology and Society; History of Social Thought
 Summer 2016 Introduction to Sociology, online summer session, Track B
 Spring 2016 Introduction to Sociology; Ethnographic Research Methods
 Fall 2015 Environmental Governance and Decision Making (graduate seminar)
 Spring 2015 Research Design (graduate seminar); History of Social Thought: Center for Teaching and Learning Creative Canvas Course Contest (C-4) Winner. Student Evaluations in top 10%
 Spring 2014 Social Inequality
 Fall 2013 Introduction to Sociology (Two sections)

PROFESSIONAL MEMBERSHIPS and SERVICE

International Association for Society and Natural Resources (IASNR): 2015-Present

- Book review editor for ISSRM Journal, *Society and Natural Resources*, 2023-2026
- Associate editor for ISSRM Journal, *Society and Natural Resources*, 2020-present
- Editorial board for ISSM Journal, *Society and Natural Resources*, 2018-2020
- IASNR Publications Committee: 2021-present
- International Association for Society and Natural Resources conference 2016
 Held in Houghton, MI. Executive planning committee
 Scientific Advisory Committee
- Faculty mentor for MTU-ASPEN, the student chapter of IASNR at MTU

Rural Sociological Society, Member: 2013-Present

- Nominated and Elected for Council position, 2015-2017
- Awards and Endowment Committee, 2015-2017
 Committee chair: 2016-2017
- Elected to Ethics Committee, 2017-2019
 Committee chair: 2017-2018
- Nominated for RSS President position: 2022

Western Social Sciences Association, Member: 2006-Present

- Book Review Editor, *Social Science Journal*, 2015-2022

- Annual conference section coordinator, Environmental Policy and Natural Resources Section, 2014-present
 Planetary Limits Academic Network (PLAN) Leadership Team
 2022-Present

SELECT ADDITIONAL PROFESSIONAL SERVICE

ENGAGEINFEWS Research Coordination Network: Chair of Working Group on Justice, Equity, Diversity, and Inclusion
 External reviewer of graduate theses: Swidburne University of Technology (Australia), University of Western Australia; Northeastern University Doctor of Law and Policy

SELECT UNIVERSITY SERVICE since 2017

Director of Research, Center for Innovation in Sustainability & Resilience, 2023-present

Presidential Tech Forward Initiative on Sustainability & Resilience

- Working Group member, 2019 - 2021
- Working Group lead, 2021-present. I lead collaborative efforts to leverage \$1 million to catalyze transformative change in sustainability and resilience leadership

Sustainable Futures Institute, Associate Director of Energy, 2019-2021

Student Chapter of the International Association of Society and Natural Resources (MTU-ASPEN) – Faculty Mentor

SELECT DEPARTMENT SERVICE

Director of Graduate Studies, Fall 2017-Spring 2020 (3-year term)