

# MATTHEW GRIMLEY

## Education

B.A., English, minoring in biology  
*University of Minnesota, Twin Cities*

- Graduated in May 2011

M.S., Science, Technology, and Environmental Policy  
*University of Minnesota, Twin Cities*

- Concentrations in energy policy and geographic information systems
- Graduate certificate in Integrated Infrastructure Solutions for Sustainable, Healthy, and Livable Cities
- Graduated in May 2019

## Volunteering and Boards

Cooperative Energy Futures  
2/2018 to 5/2019  
*Volunteer GIS Analyst, Minneapolis, MN*

Minnesota Land Trust  
5/2018 to Now  
*Volunteer Easement Monitor, Minnesota*

Green Neighbors Challenge  
08/2020 to Now  
*Board Member, Saint Paul, MN*

## Skills

### Project Scoping

I work with stakeholders and communities to collaborate on grant writing and cutting-edge research and engagement proposals

### Project Management

I execute thought-out work plans in interdisciplinary groups using Asana and other management tools

### Data Analysis, Visualization

I am proficient in R, ArcGIS, and QGIS, showing how qualitative and quantitative data can be full of color, meaning, and lessons

### Public Speaking, Teaching

I tell powerful stories through seminars, presentations, and conversations with communities, professionals, and students

### Service and Outreach

I partner with the grassroots and grassroots, and bridge between technical and social know-how

### Technical Writing

I use language and structure to translate complexity into understanding. English majors matter!

## Experience

Research Fellow  
8/2019 to Now, *University of Minnesota*

- Leading research on electric cooperatives, assessing their multi-level governance towards equitable decarbonization, along with research on equitable community solar and energy policy
- Contributing social science expertise, financial analysis, mentoring, data analysis and visualization, facilitation, and paper writing and editing to multiple lab projects on clean energy innovation

Clean Energy Finance Intern  
6/2018 to 5/2019, *Self-Help Credit Union*

- Assisted in pre-developing an \$8 million rural solar-and-storage project in NC and a \$1 million low-income community solar project in IL
- Designed modular cash flow models, policy memos, and presentations to promote project development in and outside of the credit union

Graduate Research Assistant  
9/2016 to 5/2019, *University of Minnesota*

- Co-authored or researched for 10 academic and white papers on electricity policy, utilities, and innovation
- Collaborated with internal collaborators and community partners on qualitative and quantitative data analysis, research, grant writing, and project management for more than 6 research initiatives

Energy Democracy Research Associate  
1/2015 to 6/2016, *Institute for Local Self-Reliance*

- Created and researched for more than 12 reports and blogs on decentralized energy and policymaking

Educator, Journalist, Consultant, Organizer, Writer, Manager of Deep-fried Pickle Fair Stand  
8/2007 to 1/2015; *Washington, North Carolina, Wisconsin, and Minnesota*

## Publications

1. **Grimley, M.**, LaDuke, W., Fairbanks, P. 2022. Rural Electrification with Indigenous Nations in the North Country. Honor the Earth, for the Minnesota Department of Commerce. Retrieved from <https://bit.ly/3GI0doV>
- 2022
2. **Grimley, M.** (Forthcoming). "Cooperative is an Oxymoron!": A Polycentric Innovation System Perspective on Distributed Energy Deployment.
3. Chan, G., **Grimley, M.** (Forthcoming). The social construction of electric system benefits, costs, and risks: Evidence from 104 Minnesota community solar contracts.
4. **Grimley, M.**, Shastry, V., Kânoĝlu-Özka, D.G., Blevins, E., Beck, A., Chan, G., Rai, V. (Forthcoming). Activating Community-based Organizations in the Energy Transition: Examples from Community Shared Solar.
5. Chan, G., **Grimley, M.**, Stumo-Langer, N., Pradhan, B., Reinert, J., Little, K. (Forthcoming.) Low-income Community Solar in Minnesota.
6. Chan., G., **Grimley, M.**, Stallman, J., Anderson, J., Teklinski, M. (2021). Planning for Equitable Solar Deployment with Electric Cooperatives.
- 2021
7. **Grimley, M.** (2021). Briefs on Energy and Equity in the Twin Cities. Institute on the Environment. <https://bit.ly/3B6UDVt>
8. **Grimley, M.** (2021). Community Ownership Forms in Community Shared Solar Projects. Memo to U.S. Department of Energy.
- 2020
9. Rai, V., Chan, G., Beck, A., **Grimley, M.**, Jones, M., Blevins, E., Cornwell, J., Shastry, V., Kanoglu, D., Matos, C., Smith, K., Funkhouser, E., Lee, M. (2020). Scaling Community Solar in Texas: Barriers, Strategies, and Roadmap. <https://bit.ly/32U8LDv>
10. Lenhart, S., Chan, G., Forsberg, L., **Grimley, M.**, Wilson, E. (2020). Municipal utilities and electric cooperatives in the United States: Interpretive frames, strategic actions, and place-specific transitions. *Environmental Innovation and Societal Transitions*, 36, 17-33. <https://doi.org/10.1016/j.eist.2020.04.006>
- 2019
11. Chan, G., Lenhart, S., Forsberg, L., **Grimley, M.**, Wilson, E. (2019). Barriers and Opportunities for Distributed Energy Resources in Minnesota's Municipal Utilities and Electric Cooperatives. Retrieved from the University of Minnesota Digital Conservancy, <https://bit.ly/363bj21>
- 2018
12. **Grimley, M.**, Hoffman, M. (2018). Sharing the same sun: Analyzing low-to-moderate income solar subscriptions for Cooperative Energy Futures. Retrieved from <https://bit.ly/2Z8GtDY>
- 2017
13. Chan, G., Evans, I., **Grimley, M.**, Ihde, B., and Mazumder, P. (2017). Design choices and equity implications of community shared solar. *The Electricity Journal*, 30(9), 37-41. <https://doi.org/10.1016/j.tej.2017.10.006>
14. **Grimley, M.**, and Milun, K. (2017). Solar Commons: Designing Community Trust Solar Ownership for Social Equity. Retrieved from the University of Minnesota Digital Conservancy, <http://hdl.handle.net/11299/190208>.
15. **Grimley, M.**, and Giavarini, C. (2017). The Solar Coaster: Putting Solar on Schools in Northern Minnesota Means More Than Energy. Retrieved from the University of Minnesota Digital Conservancy, <http://hdl.handle.net/11299/184800>.
- 2016
16. **Grimley, M.**, and Farrell, J. (2016). Mighty Microgrids. *Institute for Local Self-Reliance*. Minneapolis, MN. [https://ilsr.org/wp-content/uploads/downloads/2016/03/Report-Mighty-Microgrids-PDF-3\\_3\\_16.pdf](https://ilsr.org/wp-content/uploads/downloads/2016/03/Report-Mighty-Microgrids-PDF-3_3_16.pdf)
17. Farrell, J., **Grimley, M.**, and Stumo-Langer, N. (2016). Re-member-ing the Electric Cooperative. *Institute for Local Self-Reliance*. Minneapolis, MN. <https://ilsr.org/wp-content/uploads/2016/03/Report-Re-Member-ing-the-Electric-Cooperative-1.pdf>
- 2015
18. **Grimley, M.**, and Farrell, J. (2015). Hawai'i at the Energy Crossroads. *Institute for Local Self-Reliance*. Minneapolis, MN. <https://ilsr.org/wp-content/uploads/2015/10/Hawaii-at-the-Energy-Crossroads-ILSR-2015.pdf>
19. Farrell, J., and **Grimley, M.** Public Rooftop Revolution. *Institute for Local Self-Reliance*. Minneapolis, MN. <http://ilsr.org/wp-content/uploads/2015/06/Public-Rooftop-Revolution-report-ILSR.pdf>