



Energy Infrastructure Conflicts

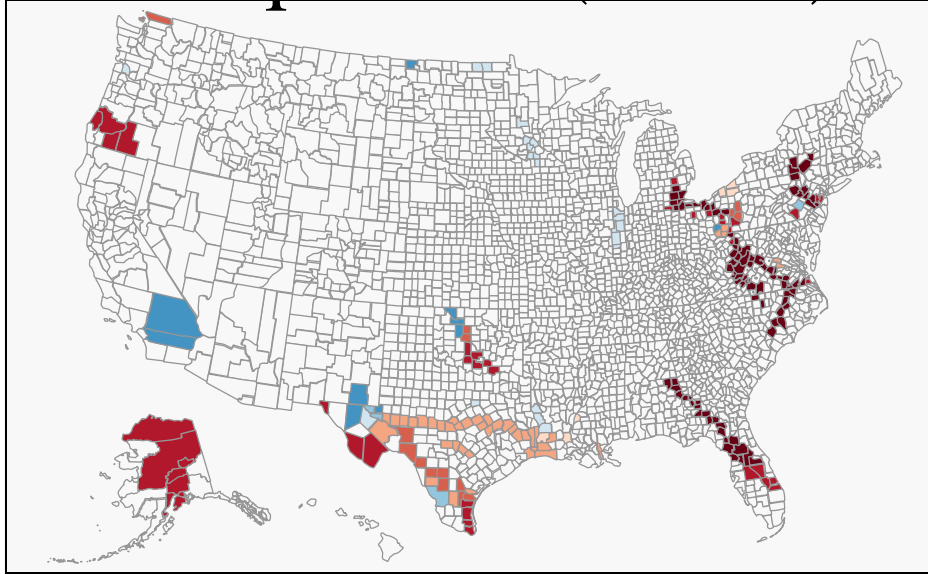


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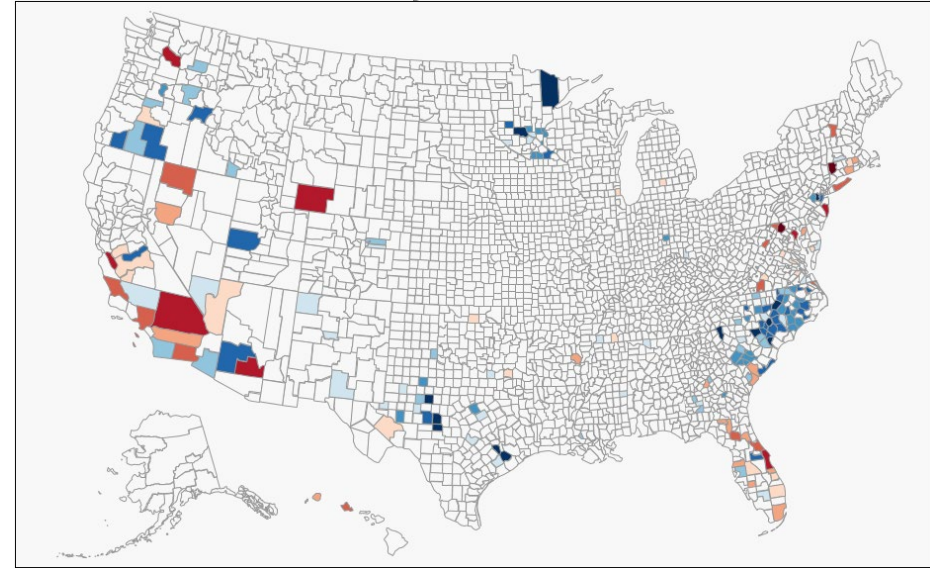
WOPPR

Workshop on Policy Process Research

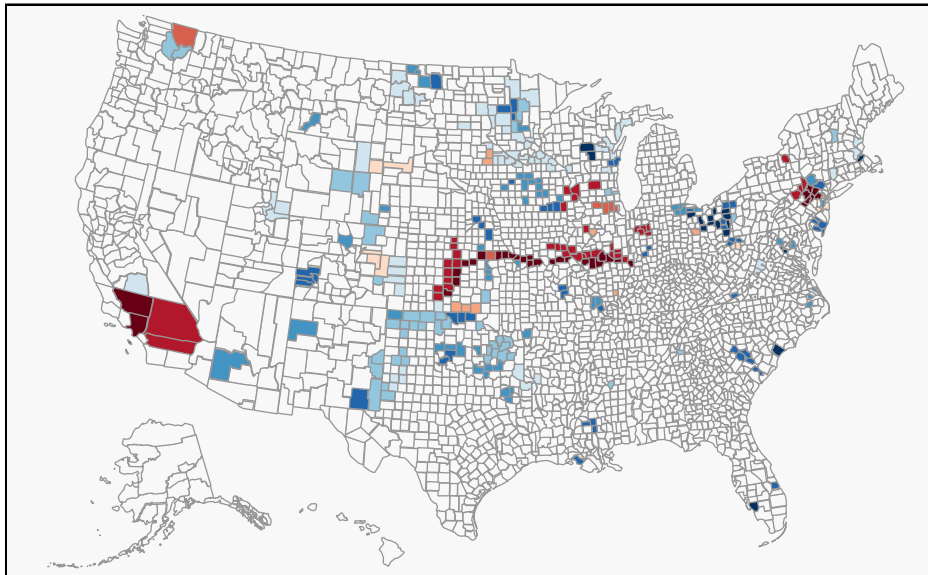
Gas Pipelines (n=44)



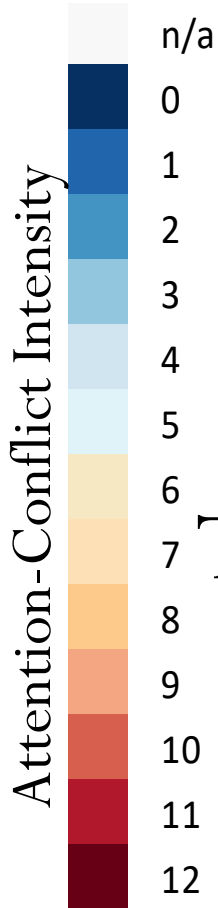
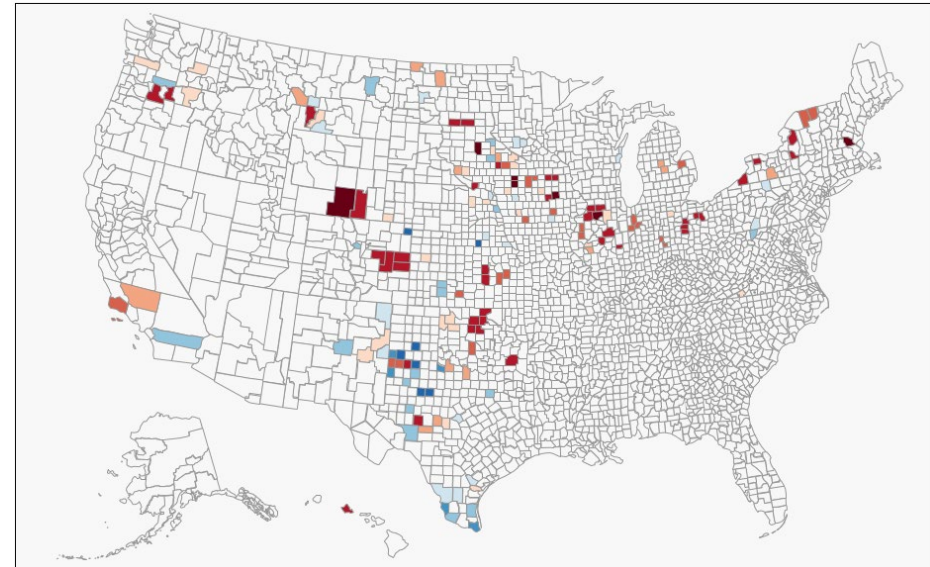
Solar Projects (n=298)



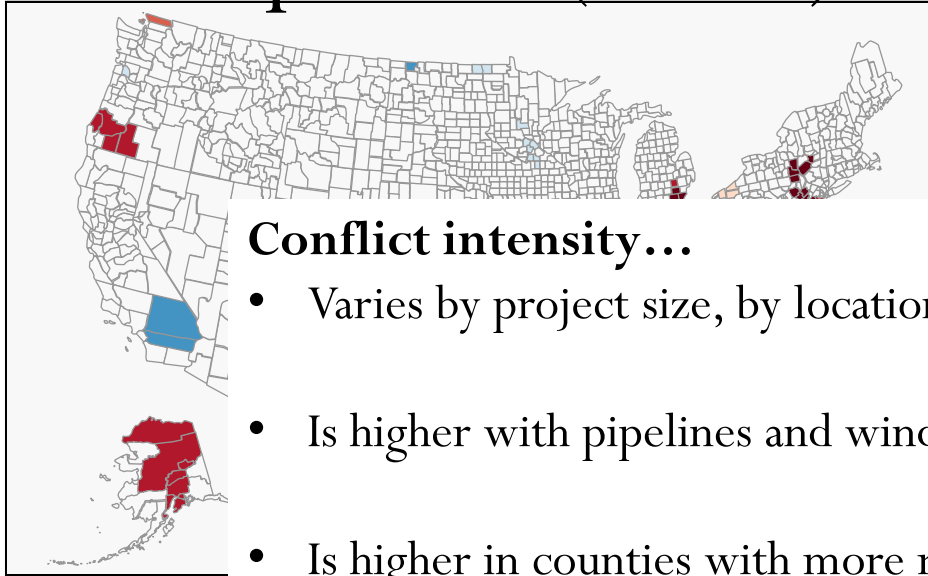
Transmission Lines (n=125)



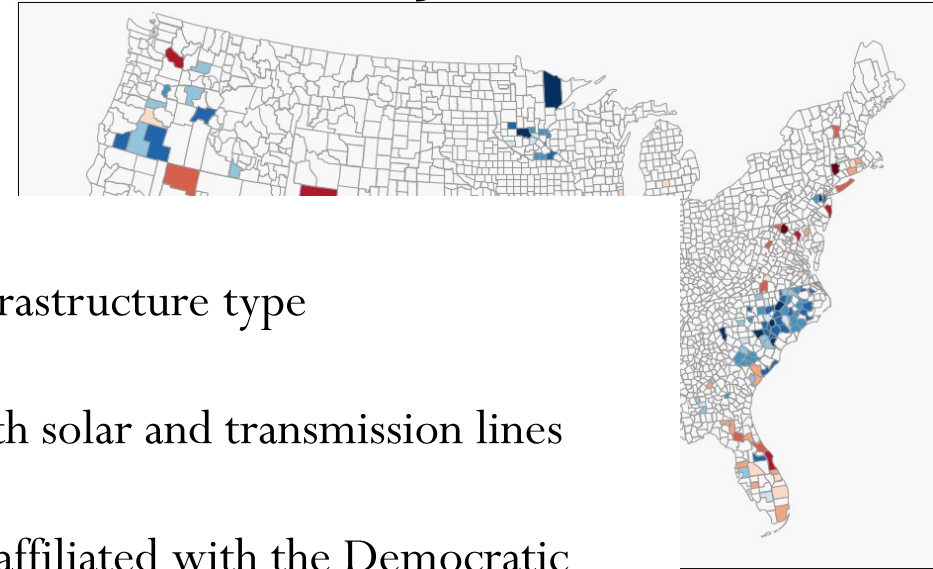
Wind Projects (n=152)



Gas Pipelines (n=44)



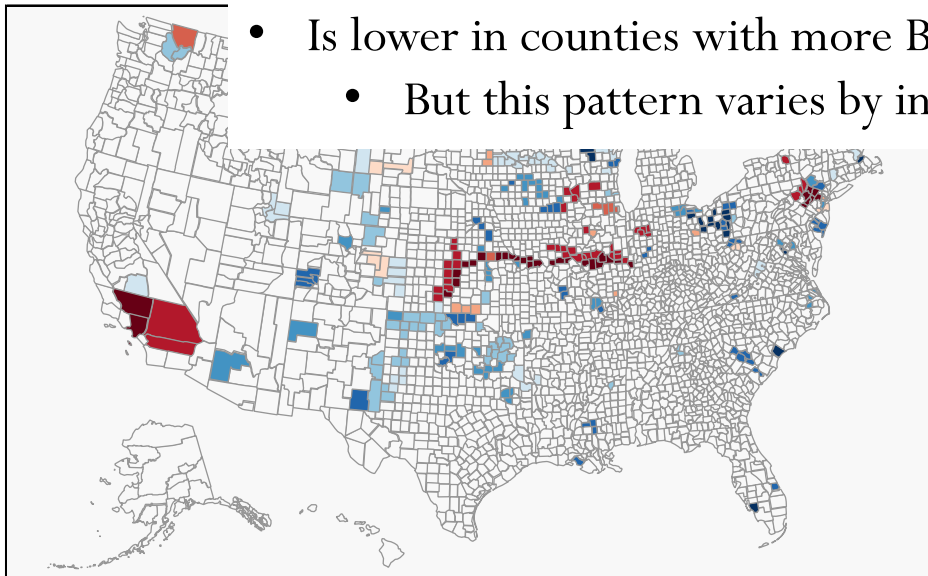
Solar Projects (n=298)



Conflict intensity...

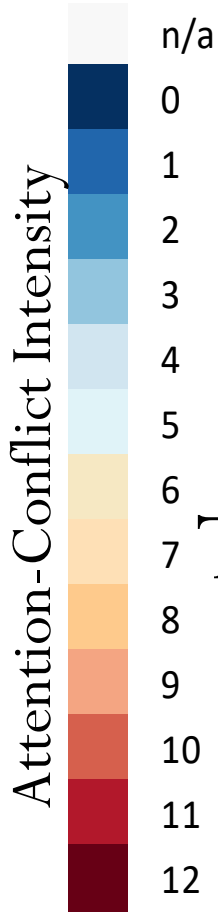
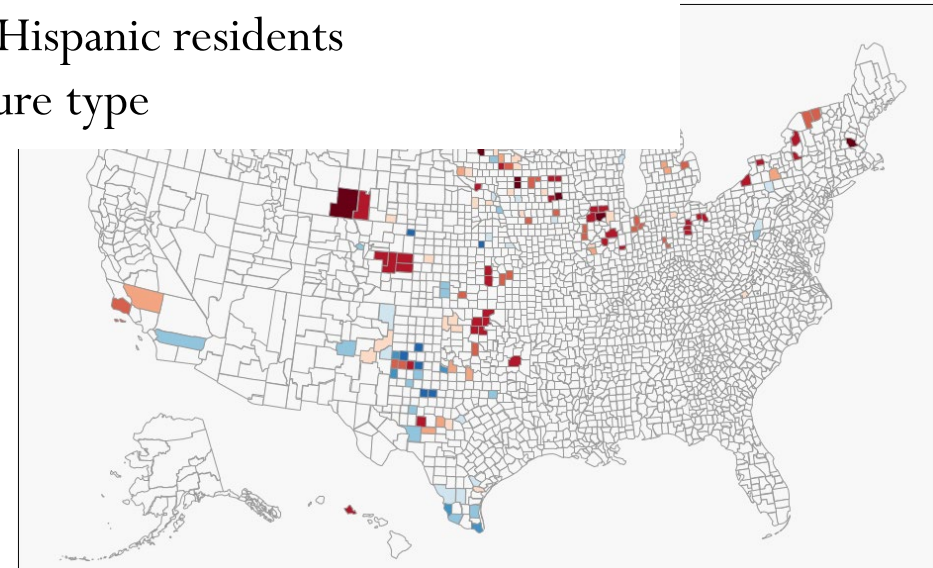
- Varies by project size, by location, and infrastructure type
- Is higher with pipelines and wind than with solar and transmission lines
- Is higher in counties with more residents affiliated with the Democratic Party, except with transmission lines

Transm



(n=152)

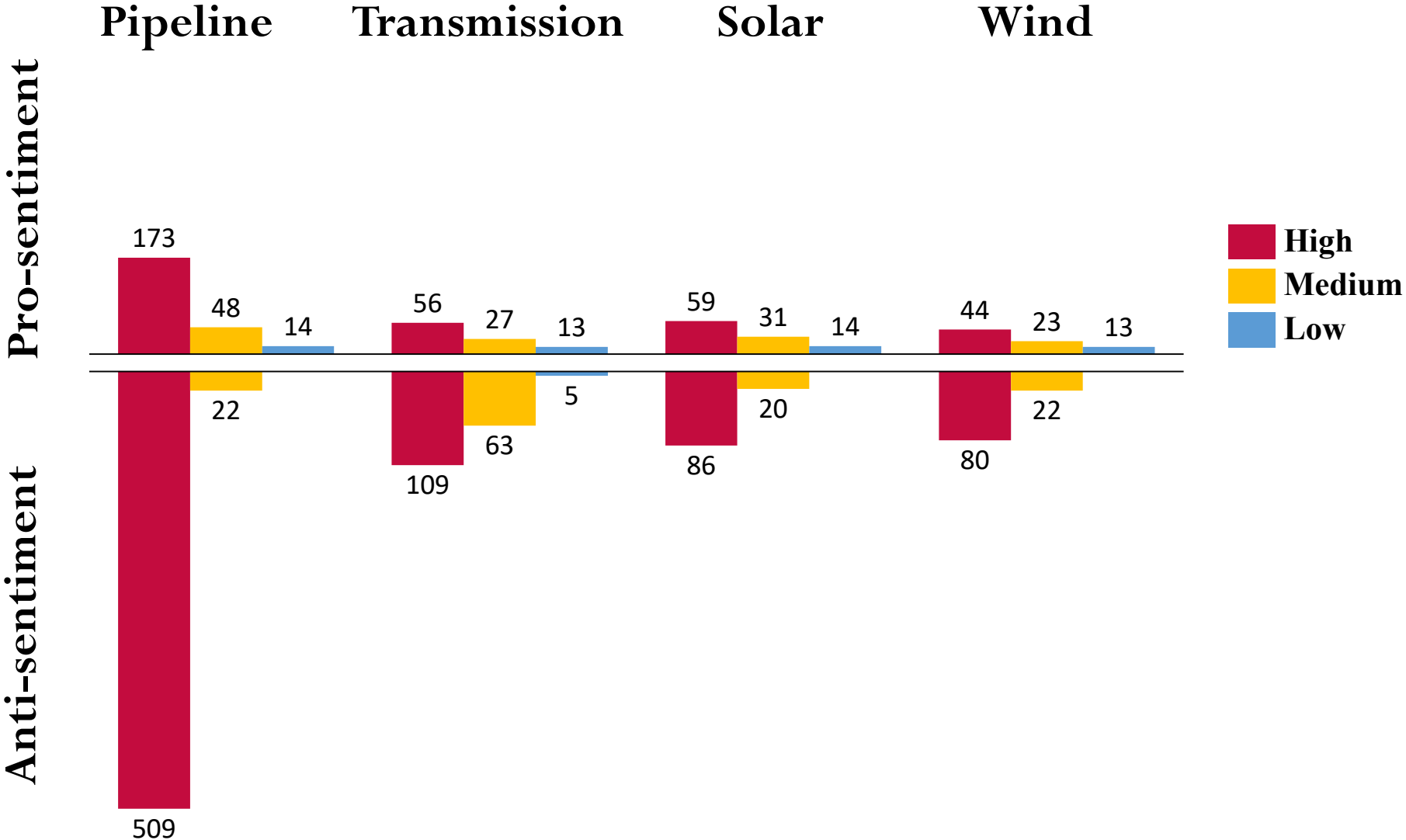
- Is lower in counties with more Black and Hispanic residents
 - But this pattern varies by infrastructure type



Interview and News Media Discourse Cases

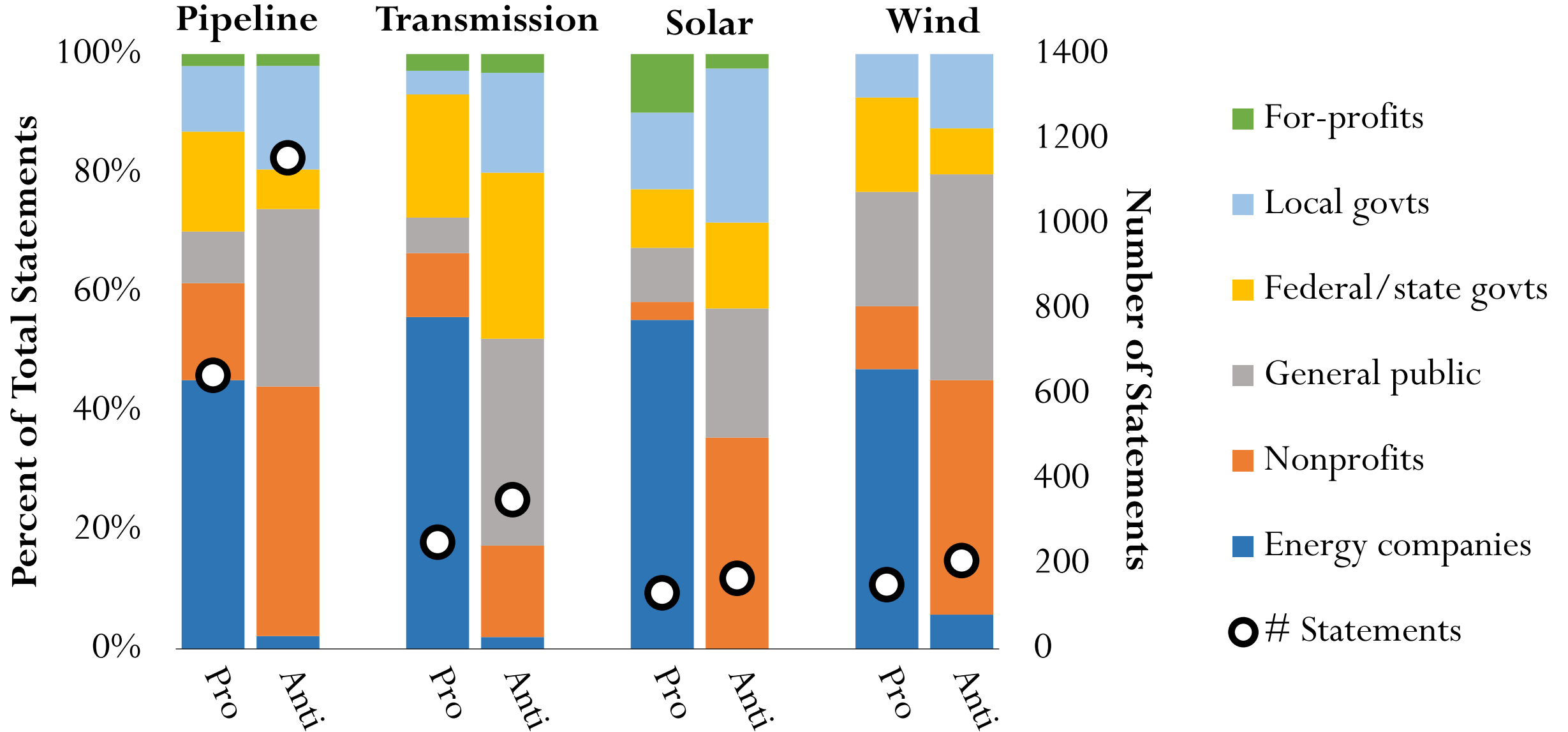
	Natural Gas Pipeline	Transmission	Solar	Wind
Canceled	Constitution Pipeline (PA, NY)	Plains & Eastern Clean Line (OK, TN, AR)	Bear Ridge Solar (NY)	Dairy Air Wind (VT)
High conflict	Nexus Gas Transmission (OH, MI)	Tehachapi Renewable Transmission Project (CA)	Candlewood Solar (CT)	Na Pua Makani Wind (HI)
Medium conflict	Alaska Stand Alone Pipeline (AK)	Grand Prairie Gateway Transmission Line (IL)	California Flats Solar (CA)	Strauss Wind (CA)
Low conflict	Project Wildcat (OK, TX)	Antelope Valley Station-Neset Transmission Line (ND)	Misae Solar Park (TX)	Grady Wind (NM)

Statements by Sentiment and Infrastructure Type



Pro / Anti Statements by Participant

All Infrastructure Types



The types and positions of participants in media discourse are similar across infrastructure type

- Opponents = nonprofits and members of the general public
- Proponents = energy companies
- Mixed = government
- Limited engagement = other for-profit organizations

In high conflict cases, people on opposing sides often talk past each other in how they frame the debates

Discourse differs over the lifespan of proposed projects

- Higher conflict projects = ongoing and competing discourse
- Medium conflict projects = competing discourse in early stages
- Lower conflict projects = pro discourse dominant

Thank You!

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References

- You, J., C. M. Weible, & , T. Heikkila (forthcoming). Exploring instigator and defender policy scenarios in the siting of energy infrastructure. *Politics & Policy*.
<https://doi.org/10.1111/polp.12442>
- You, J., Yordy, J., C. M. Weible, K. Park, K., T. Heikkila, & D. Gilchrist. 2021. Comparing policy conflict on electricity transmission line sitings. *Public Policy and Administration*. Advance online publication. <https://doi.org/10.1177/09520767211036800>
- You, J., T. Heikkila, C.M. Weible, K. Park, S. Smolinski, and J. Yordy. 2021. “Policy Conflict in Energy Infrastructure Siting in the U.S.” Denver, CO, School of Public Affairs.
<http://digital.auraria.edu/IR00000293/00001>
- You, J. , J. Yordy , K. Park , T. Heikkila, and C. M. Weible. 2020. “Policy conflicts in the siting of natural gas pipelines.” *Journal of Environmental Policy & Planning*, 22(4): 501-517.
- Yordy, J., J. You, K. Park, C.M. Weible, and T. Heikkila. 2019. “Framing Contests and Policy Conflicts over Gas Pipelines.” *Review of Policy Research*, 36(6): 736-756.

Extra Slides

Conflict-Attention Intensity by Project

The intensity scores are statistically significant across infrastructure types (One-Way ANOVA, $p < 0.000$)

