

WATER POLICY PUBLICATIONS 2023

ACADEMIC ARTICLES



Seven out of the top ten U.S. states with the most lead service lines are Great Lakes states. This study examines the cost estimates of financing their replacement, the gap between federal funding and cost, and the decisions states need to make to effectively spend federal money to remove lead from the water of the nation's disadvantaged communities.

Lee, A., and Scanlan, M., *Got Lead in Your Water? The Bipartisan Infrastructure Law May Be Poised to Help*, Michigan Journal of Environmental and Administrative Law (2023)



SCHOOL OF
FRESHWATER SCIENCES



Policy and behavioral responses to the COVID-19 pandemic led to sizeable and abrupt changes in water use. This study investigates the financial implications of these changes for water providers using annual data from public water systems in Wisconsin.

Price, J., and Sanchez, F., *Financial implications of COVID-19 for public water systems*, Journal of Water Resources Planning and Management, 149, 04023054 (2023)



In her latest research findings, Melissa Scanlan highlights how climate change and population pressures have intensified water management challenges. A steady erosion of Wisconsin's laws over the past decade have weakened water managers' authority and capacity to respond.

Melissa Scanlan, *The Public Trust Doctrine: Regulatory Reform, Climate Disruption, and Unintended Consequences*, 49.3 Ecology Law Quarterly 779 (2023)



2021-2022 Water Policy Specialist, Sarah Martinez delves into the historical exclusion and environmental justice challenges faced by Black and People of Color and ties that to barriers that still exist today. The research also discusses potential tools, which may aid in achieving equitable access to blue spaces.

Sarah R. Martinez, *Racism in the Water: Access for all in Outdoor Recreation*, 50.1 Ecology Law Quarterly 1 (2023)



Using data from a 2016 national survey of Canada, this chapter evaluates homeowners' subjective evaluations of residential flooding risk, their likelihood of purchasing sewer backup and overland flood insurance, and their likelihood of undertaking in-home protective actions.

Price, J., and Dupont, D., *Financial risks due to residential flooding: incorporating household perceptions to better understand behaviors*, in D. Gramlich (Ed.), Water Risk Modeling: Developing Risk-Return Management Techniques in Finance and Beyond, London: Palgrave Macmillan (2023)

Click here to learn more about the Center for Water Policy



The Center for Water Policy co-hosted a statewide conference to evaluate a decade of research and experience implementing Wisconsin's phosphorus rules and their impact on water quality. Our post-conference report contains an academic research agenda for the next decade and policy recommendations to reduce phosphorus pollution.

Janssen, A., Scanlan, M., et al., [*Phosphorus: Lessons for 10+ Years of Numeric Standards for Wisconsin's Waters Conference Report*](#) (2023)



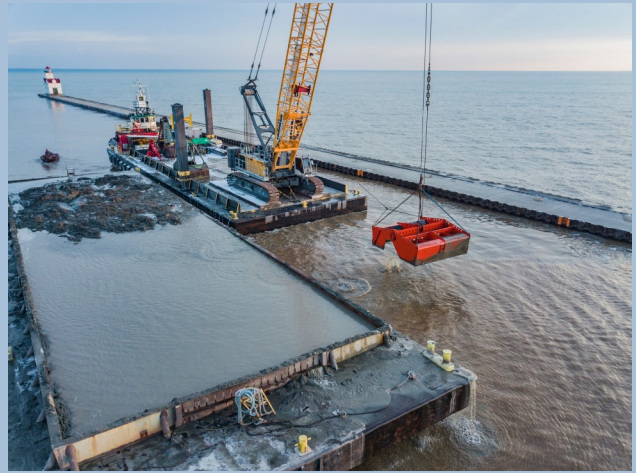
Students from the School of Freshwater Sciences co-authored a report that includes a wide variety of preliminary evaluations for offshore wind in Lake Michigan, including permitting, wind analysis and power generation potential, environmental considerations, funding options, cost-benefits, and stakeholder engagement approaches.

Bevington, J., Brockley, E., DeYoung, C., Doberstein, A., Hartwig, N., Thurston, R., [*Lake Michigan Offshore Wind Project Feasibility Report*](#), Graduate Student Team advised by Professor Scanlan, University of Wisconsin – Milwaukee (2023)



Ryan Newton and Sandra McLellan conducted a two-year study on suspended solids and fecal bacteria in the Milwaukee River to understand the sources and loading of these pollutants when it rains. They worked with the Center for Water Policy to reveal some surprising results for water managers. In this policy brief, we explain the research and its implications to improve water quality.

Bevington, J., Grewal, R., McLellan, S., Newton, R., Scanlan, M. Policy Brief. [*Analyzing Sediment and Bacterial Pollutant Sources in the Milwaukee River Watershed to Enhance Total Maximum Daily Load Mitigation Strategies*](#) (2023)



This research expands on the legal issues around the Dredged Material Management Facility including: What is public enough to satisfy the public trust doctrine? Can the state and other developers exclude the public? What are the permissible uses on the newly created 42 acres of lakefront?

Scanlan, M. Policy Brief [*Update to... Public Rights in Milwaukee's Fresh Coast: Is the Proposed Dredged Material Management Facility an Opportunity for the Community?*](#) (2023)



A legal analysis on PFAS Contamination in Wisconsin's Public Drinking Water Supplies. You can read more on the legal context, timelines, implications, and recommendations in the document below.

Suppes, L. and Lee, A., Policy Brief [*PFAS Contamination in Wisconsin's Public Drinking Water Supplies: Regulatory Context*](#) (2023)

MS Freshwater Sciences: Water Policy Track

Become a freshwater expert capable of analyzing scientific and economic data to create water policy recommendations that solve complex problems and protect valuable water resources. Choose between the [thesis option](#), where you carry out original research, or the [professional option](#), where you gain real world work experience through an internship.