

# ALLISA G. HASTIE

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## EDUCATION

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### Stanford University

*In progress*

Ph.D. Civil and Environmental Engineering

Advisor: Dr. Khalid Osman

Committee: Dr. Will A. Tarpeh, Dr. Sarah Fletcher, Dr. Gabrielle Wong-Parodi

Dissertation Title: *A Community-Based Approach for Assessing Water and Wastewater System Performance.*

### University of Illinois Urbana-Champaign

*May 2022*

M.S. Civil and Environmental Engineering

Advisor: Dr. Ashlynn S. Stillwell

Thesis: *Opportunities for Non-Potable Water Reuse in the United States Based on a Supply-Demand Assessment and Review of State Policies*

### University of Illinois Urbana-Champaign

*May 2020*

B.S. Civil and Environmental Engineering

Minor in Environmental Economics and Law

## PUBLICATIONS

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1. **Hastie, Allisa G.** and Osman, Khalid K. "Assessing the role of drinking water system consolidations in advancing the Human Right to Water in California." *Journal of Water Resources Planning and Management* (2024) [Under Review]
2. **Hastie, Allisa G.**, Otrubina, Victoria V., and Stillwell, Ashlynn S. "Identifying Opportunities for Non-potable Water Reuse Based on Potential Supplies and Demands in the United States." *ACS ES&T Water* (2023), <https://doi.org/10.1021/acsestwater.2c00341>
3. **Hastie, Allisa G.**, Otrubina, Victoria V., and Stillwell, Ashlynn S. "Lack of Clarity Around Policies, Data Management, and Infrastructure May Hinder Efficient Use of Reclaimed Water Resources in the United States." *ACS ES&T Water* 2.12 (2022): 2289-2296, <https://doi.org/10.1021/acsestwater.2c00307>
4. **Hastie, Allisa G.**, Chini, Christopher M., and Stillwell, Ashlynn S. "A mass balance approach to urban water analysis using multi-resolution data." *Journal of Industrial Ecology* 26.1 (2022): 213-224. <https://doi.org/10.1111/jiec.12995>

## CONFERENCE PRESENTATIONS

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- [15] World Environmental and Water Resources Congress (2025). *Examining non-billed water costs to improve water affordability assessments*, Anchorage, AK
- [14] World Environmental and Water Resources Congress (2025). *Humans as sensors: using resident observation to assess tap water quality in frontline communities*, Anchorage, AK
- [13] World Environmental and Water Resource Congress (2024). *In Our Own Backyards: Assessing Septic Failures in the Rural South Through Community Engaged Research*, Milwaukee, WI
- [12] American Geophysical Union Fall Meeting (2023). *When it rains it pours: A community-based study of drinking water affordability*, San Francisco, CA
- [11] Canadian Society of Civil Engineers Annual Conference (2023). *Assessing the Effectiveness of Drinking Water Consolidation in Ensuring the Human Right to Water in California, USA*, Moncton, NB Canada

- [10] American Geophysical Union Fall Meeting (2022). *Lessons from a review of state-level water reuse policies in the United States*, Chicago, IL
- [9] World Environmental and Water Resource Congress (2022), *Framework for pricing non-potable recycled water at the municipal scale*, Atlanta, GA
- [8] American Geophysical Union Fall Meeting (2021), *A Spatial Analysis to Identify Opportunities for Water Reuse in the United States*, New Orleans, LA
- [7] National Taiwan University-University of Illinois Research Webinar “Urban Sustainability from a Food-Energy-Water Nexus Perspective” (2021), *Identifying Opportunities for Non-Potable Water Reuse within the Food-Energy-Water Nexus*, Virtual\*
- [6] World Environmental and Water Resources Congress (2021), *Geographic suitability analysis of non-potable reclaimed water use in the United States*, Virtual
- [5] Researcher’s Initiative Symposium (2019), Urbana, IL\*
- [4] Illinois Undergraduate Research Symposium (2019), *Challenges of Developing Reclaimed Water Markets in the United States*, Urbana, IL
- [3] World Environmental and Water Resources Congress (2018), *The Challenges of Integrating Urban Water and Energy Data*, Minneapolis, MN
- [2] Illinois Undergraduate Research Symposium (2018), *The Challenges of Integrating Urban Water and Energy Data*, Urbana, IL
- [1] Researcher’s Initiative Symposium (2017), *Social Equity of Urban Water Rates in the Midwest*, Urbana, IL

\*Invited Speaker

## FUNDING

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Community Engagement Impact Fund Award ‡	2024 - Present
<i>Advancing Water Systems Failure Identification: Using Humans as Sensors to Reduce Inequities at the Tap</i>	
Stanford Impact Labs Stage 1: Seed Partnership ‡	2023 - Present
<i>Advancing Water Systems Failure Identification: Using Humans as Sensors to Reduce Inequities at the Tap</i>	
NSF Graduate Research Fellow*	2020-Present
Illinois Water Resources Center Research Grant*	2021
<i>Assessing the Feasibility of Non-Potable Water Reuse in Illinois</i>	

\*PI or Lead Writer

‡Assisted in Writing

## TEACHING AND MENTORSHIP

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Stanford Summer Undergraduate Research Fellowship	June - Aug. 2024
Bill Lane Center for the American West Graduate Mentir	Jan. - Sept. 2024
Foothill College Science Learning Institute Intern	Jul. 2023 - Aug. 2023
Illinois Research Experience for Undergraduates Program Mentor	Sep. 2021 - May 2022
Teaching Assistant: CEE 433 - Water Technology and Policy	Jan. 2021 - May 2021
Research Experience for Undergraduates Program Mentor	Jan. 2020 - May 2021
Undergraduate Research Ambassador	Aug. 2019 - May 2020

## WORKSHOPS AND RESEARCH TRAINING

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Global Health Research Methods Workshop Rising Leaders in Environmental Policy Program

## SERVICE

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EWRI Sustainability Committee leadership

*2022-2025*

Journal Peer Reviewer

*Environmental Science and Technology*

*Journal of Water Resources Planning and Management*

*Water Security*