

Justin Schott

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https://bit.ly/Justin_Schott_Resume

Summary:

My work centers energy, environmental, and climate justice by blending deep and authentic community partnerships, applied quantitative research, policy analysis and advocacy, and education. My greatest aspiration is to partner with frontline communities to develop approaches that combat both racial and social injustices and ecological crises. I believe in the wisdom and solutions of Black, Brown and Indigenous communities, youth, and environmental justice communities. I see my task as illuminating and elevating this wisdom and ensuring they have the resources to bring their own visions of energy, environmental, and climate justice to life. Ultimately, I believe change will require repairing our relationships, remedying past injustices, and combining data and lived experiences to advocate for restructuring our energy systems. Perhaps most importantly, none of this can happen without the internal work each of us must do to heal, to grow, to be rooted in community, and to sustain our own action in the face of the climate crisis.

Work history (position details in [professional resume](#))

University of Michigan, School for Environment and Sustainability Ann Arbor, MI
Director, Energy Equity Project February 2021-present
Lecturer, Energy Justice, Fall 2022

EcoWorks Detroit, MI
Project Manager, Detroit Climate Strategy, November 2020 – May 2021
Executive Director, June 2015 – November 2020
Founder & Program Director, Youth Energy Squad, September 2010 – June 2015

Voices for Earth Justice Southfield, MI
Founder & Program Director, Youth Energy Squad, October 2008 – September 2010

Ecos Consulting Detroit, MI
Launch Manager & Field Director, Home Energy Consultation Program, March – September, 2009

National Wildlife Federation Ann Arbor, MI
Campus Field Coordinator, Campus Ecology Program, April 2007 – October 2008

Northwest Youth Corps, The Outdoor School Eugene, OR
Field Science & Conservation Projects Team Leader, August 2002 – June 2004

Education

University of Michigan, M.S., Resource Policy & Behavior, 2006

Ann Arbor, MI

Cornell University, B.S., Natural Resources, 2002

Ithaca, NY

Professional Interests

Environmental justice, energy policy, equity research and metrics, utility regulation, community organizing and engagement, city and institutional climate planning, youth leadership development, K-12 and higher ed

Honors and Awards

Organizational:

UL Education Innovation Award, 2019

Longterm Community Partner Award, 2016 – Southeast Michigan Stewardship Coalition

Best Managed Nonprofit – Crain’s Detroit Business 2013

Governor’s Service Award, 2012 – Youth Volunteer of the Year (Deonte Lucas)

Spirit of Detroit Award, 2011 – For co-organizing the first ever Detroit Green Youth Summit

President Obama Meeting, 2011 – YES student only high schooler in oval office meeting

Detroit Free Press Inaugural Green Leader Award, 2010

Individual:

Semi-finalist – J.M.K. Innovation Prize, 2019

Bank of America Emerging Leader, National Neighborhood Builders Program, 2013

TogetherGreen Conservation Fellow, 2011

Research

Working Papers

Schott, J. and Whyte, K. Setting Justice40 in Motion: The Hourglass Problem of Infrastructure Justice. Under review.

Schott, J., Whyte, K., Agrawal-Bejarano, R., and Dickson, T. Energy Equity Project: Developing a national framework that unites qualitative and quantitative equity measurement in climate and clean energy initiatives. Under review.

Academic Publications

Energy Equity Project (Schott, J. (ed), 2022. “Energy Equity Framework: Combining data and qualitative approaches to ensure equity in the energy transition.” University of Michigan, School for Environment and Sustainability.

Gronlund, C. J., Ketenci, K. C., Reames, T. G., Larson, P. S., Schott, J., Rowe, Z., ... & O’Neill, M. S. (2022). Indoor apparent temperature, cognition, and daytime sleepiness among low-income adults in a temperate climate. *Indoor air*, 32(1), e12972.

Cardoza, J. E., Gronlund, C. J., Schott, J., Ziegler, T., Stone, B., & O’Neill, M. S. (2020). Heat-related illness is associated with lack of air conditioning and pre-existing health problems in Detroit, Michigan, USA: a community-based participatory co-analysis of survey data. *International journal of environmental research and public health*, 17(16), 5704.

Ziegler, T. B., Coombe, C. M., Rowe, Z. E., Clark, S. J., Gronlund, C. J., Lee, M., ... & O’Neill, M. S. (2019). Shifting from “community-placed” to “community-based” research to advance health equity: A case study of the Heatwaves, Housing, and Health: Increasing Climate Resiliency in Detroit (HHH) partnership. *International Journal of Environmental Research and Public Health*, 16(18), 3310.

Cardoza, J. E., Gronlund, C., Rowe, Z., Schott, J., Lee, M., Clark, S., ... & O’Neill, M. (2018, September). Air Conditioning and Heat-Related Illness in Detroit, Michigan, USA: A Community-Based Participatory Epidemiologic Analysis. In *ISEE Conference Abstracts* (Vol. 2018, No. 1).

Eagan, D. J., Keniry, J., & Schott, J. (2008). Higher education in a warming world. *Reston: National Wildlife Federation*.

Eagan, D. J., Calhoun, T., Schott, J., & Dayananda, P. (2008). Guide to climate action planning: Pathways to a low-carbon campus. *National Wildlife Federation, Reston, VA*.

Presentations

Energy Equity Project (February 2021 – present)

- American Public Health Association Environment Committee - panelist
- Climate Adaptation Forum (Massachusetts) – Justice40 panel
- Colorado Public Utilities Commission - Public meeting on community engagement
- Connecticut Public Utilities Commission – energy equity workshop
- Energy Equity in the South - energy equity panel
- Energy justice roundtable (with National Association of State Energy Offices and National Governor’s Association)
- Greenhills School (Ann Arbor) – energy justice workshops for middle & high school students
- Green & Healthy Homes Institute – energy equity training and continuing education
- Hawaii Energy Hui – energy equity presentation
- Illinois Stakeholder Advisory Group – quarterly meeting and metrics development process
- Kansas Corporation Commission – Equity considerations – utility energy efficiency plan
- Michigan Energy Innovation Business Council – panel facilitator
- MI Energy Waste Reduction Low-Income Workgroup – panelist
- Michigan Healthy Climate Conference – affordability workshop
- MI Low-Income Energy Policy Board – affordability workshop
- Michigan Public Service Commission, MI Power Grid – energy equity presentation
- Michigan Energy Office – equity metrics for Justice40 alignment
- Midwest Building Decarbonization Equity Summit – panelist
- Midwest Energy Efficiency Alliance – energy equity workshop
- National Association of Regulatory Utility Commissioners (NARUC) – equity roundtable
- National Association of State Energy Offices – equity committee workshop
- National Association of State Utility Consumer Advocates (NASUCA) – energy equity presentation
- National Environmental Justice Conference – workshop
- National Community Action Partnership – conference workshop
- National Home Performance Conference – panelist
- New York Federal Reserve Equity Roundtable – panelist
- Oak Ridge National Lab – equity guidance
- Paris Reinforce Conference – equity advisor and panelist
- RE-AMP – equity panel
- Rocky Mountain Institute – equity considerations for utility dashboards, guest speaker
- Tufts University Cities Spring Symposium – co-presentation
- U.S. EPA – equity considerations for Portfolio Manager

- Vote Solar – equity presentation
- World Resources Institute – equity considerations for electric school bus initiative

Examples of Prior Presentations (2007-2020)

- Association for the Advancement of Sustainability in Higher Education (AASHE)
- Autonomous Vehicles Initiative (Knight Foundation)
- Community forum (with high school students) – Southeast Michigan Stewardship Coalition
- Detroit Public Schools Community District – Go Green Challenge
- Detroit Sustainability Forum
- Great Lakes Bioneers Detroit
- MI Place-Based Education Conference (with high school students)
- Powershift (national youth climate conference)
- U.S. Green Building Council Green Schools Conference
- U.S. Sustainability Directors National Conference (keynote panelist)
- 50+ meetings to individual community groups, businesses, non-profits, K-12 schools, colleges

Academic Guest lectures

University of Michigan

EAS 501 – Energy justice and screening tools (Winter 2023)

Talks on Science – Roots of Energy Justice (Winter 2023)

Ross Energy Club (Fall 2021, 2022)

SEAS Environmental Justice (Fall 2021) – Energy justice and equity

Michigan Energy Week (Fall 2021)

Organizational Studies / Program in the Environment (Fall 2018) – Leadership and Environmental Stewardship

Graham Institute for Sustainability (Winter 2017) – Careers in Sustainability and Environmental Justice

Graham Institute for Sustainability (Fall 2016) – Origins of Flint Water Crisis

Semester in Detroit (Spring 2016) – Youth-led Sustainability Projects

Other Universities

Colorado School of Mines (Winter 2022)

Columbia University (Winter 2022)

Tufts University (Winter 2022)

Pomona College (Winter 2018)

Advising

Masters Projects

U of M Dow Fellows (Academic advisor) – Energy Equity Researchers Collaborative (2022)

U of M – SEAS (Academic advisor) – Detroit Resilience Hub Framework (2021-2022)

U of M Dow Fellows (Project Client) – Building the Foundation for a Residential Affordability Program in Detroit and Highland Park (2020)

U of M - SEAS (Project Client) –Roadmap to Water Security (2017-2018)

Student Interns

Since 2010, 20+ undergraduate and masters students from U of M (Semester in Detroit, UROP, Urban Energy Justice Lab, SEAS, Doris Duke Conservation Fellowship)

Professional Fellows

Detroit Revitalization Fellows – Susan Dundon (2015-17), Deb Houghtaling (2017)

Challenge Detroit – Shaina Davidson (2015-16), Miranda Day (2016-17)

Grants

Secured and managed more than \$15M in grants and contracts from 100+ government, foundation, and corporate sources; 2008 – present

Energy Equity Project

- Google Environmental Justice Data Fund \$250,000
- Joyce Foundation, \$200,000
- Crown Family Foundation, \$201,000
- Energy Foundation, \$150,000
- Colorado Public Utilities Commission, \$23,500
- Private donations - \$19,000

Academic awards

- National Institutes of Health (community partner) – “Assessing the Neuropsychological Benefits of Weatherization Programs.” 2021-2026, \$3.0 million
- National Science Foundation Smart & Connected Communities Program (community partner) – “Reducing Barriers to Residential Energy Security through an Integrated Case-management, Data-driven, Community-based approach”; 2020-2024, \$2.1 million
- National Oceanic and Atmospheric Administration (lead author and co-PI) – “Climate Resilience from the Youth Up”, 2018-20, \$500,000

EcoWorks – responsible for more than 100 grants and contracts, examples below (may represent multiple years of funding)

- AmeriCorps - \$3.6 million
- DTE Energy and contractors - \$3.2 million
- Wayne Metro Community Action Agency - \$3.05 million
- Erb Family Foundation - \$844,000
- Detroit Public Schools Community District - \$750,000
- Chase - \$500,000
- City of Detroit - \$459,000
- United Way for Southeast Michigan - \$300,000

Professional Service & Engagement

Anchor Committee Member, Tishman Center for Social and Environmental Justice, University of Michigan (2022 – present)

Planet Detroit, Board Member (2021 - present)

Commissioner, Michigan Bureau of Construction Codes (2020 –2022)

Member and chair, Coalition to Keep Michigan Warm (2015-2019)

Member, Detroit Environmental Agenda (2015-2019)

Steering committee member, Southeast Michigan Stewardship Coalition (2018-2020)

Board director, treasurer, and vice chair, Detroit Regional Chapter, U.S. Green Building Council (2013-2017)

Steering committee member, Michigan Student Sustainability Coalition (2008-2009)

Steering committee member, Energy Action Coalition (2007-2008)

Board director, Voices for Earth Justice (2006-2008)

In the Media

Utility Dive, [“Equity framework online tool to help guide investments in line with Justice40, UM researchers say.”](#) October 27, 2022.

Utility Dive, [“The energy system is ‘inherently racist,’ advocates say. How are utilities responding to calls for greater equity?”](#) October 26, 2022.

Energy News, [“Can energy justice be measured? A new research project aims to do just that.”](#) September 29, 2022.

Centered, [“Michigan team unveils ‘first-of-its-kind’ energy equity framework and mapping tool.”](#) September 22, 2022.

Grist, [“Unplugged: Why utilities are more likely to disconnect Black, Latino and Indigenous households.”](#) September 6, 2022.

Pecan Street, Guest Blog: [“When it Comes to Energy and Equity, Metrics Aren’t Enough.”](#) June, 2022.

Popular Science: [“Energy Costs Hit Low-Income Americans the Hardest”](#), Apr 11, 2022.

Outlier Media: [“The Obscure Utility Tax Detroiters Pay Each Month to Fund the Police”](#), Mar 24, 2022.

The Hill (Op-Ed): [“Build Back Better Must Sharpen Focus on Environmental Justice”](#), Nov 13, 2021

Detroit Free Press: [“Detroiters Can Bring Down Energy Costs. But Getting Homes Weatherized Isn’t Easy.”](#) Nov 25, 2021.

Outlier Media: [“7 Low-Cost Ways to Winterize Your Detroit Home”](#), Nov 3, 2021.

Energy News Network: [“Detroit Says Its New Climate Strategy Will Empower Residents. Activists Have Questions.”](#) Nov 2, 2021

Al Jazeera; The Take Podcast: [“Winter is Coming: How the Energy Crunch is Squeezing Everyone”](#), Oct

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Planet Detroit: “[Is Housing an Environmental Justice Issue? In Detroit, Yes.](#)” October 6, 2021.

Planet Detroit (Op-Ed): “[Beyond Lip Service: It’s Time to Measure Equity in Clean Energy Investments.](#)”, July 8, 2021.

Planet Detroit: “[Why EcoWorks Executive Director Justin Schott is Resigning to End 25 Years of Straight White Male Leadership.](#)” June 5, 2020.

Bridge Magazine (Op-Ed): “[Liberate Michigan? Here’s Where We Can Start](#)”, May 10, 2020

Curbed Detroit: “[The Multi-Year Journey to Make a Concrete Yamasaki Building Net-Zero Energy](#)” Feb 12, 2020.

Wayne State University: “[Detroit Water Stories](#)”, Apr 4, 2019

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