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TONY G. REAMES

University of Michigan

School for Environment and Sustainability

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EDUCATION

- Ph.D. Public Administration, University of Kansas, 2014
MEM Engineering Management, Kansas State University, 2005
B.S. Civil Engineering, North Carolina Agricultural & Technical State University, 2002

PROFESSIONAL EXPERIENCE

Academic Appointments

- 2014-Present University of Michigan
Assistant Professor, School for Environment and Sustainability
Postdoctoral Fellow, School for Environment and Sustainability
Sum 2012 Haskell Indians Nations University
Mentor, Haskell Environmental Research Studies (HERS) Institute
2011-2012 University of Kansas
Graduate Research Assistant, Institute for Policy & Social Research
Graduate Teaching Assistant, School of Public Affairs and Administration
2006-2010 University of Missouri-Kansas City
Instructor, College of Arts and Sciences, Military Science Program

Other Professional Experience

- 2007-2011 City of Lee's Summit, MO
Staff Engineer, Development Engineering Group
2006-2007 TranSystems Corporation. Kansas City, MO
Project Engineer, Rail Team
2006-2010 United States Army Reserves
2002-2006 United States Army
Operations Officer, Fort Jackson, SC
Risk Management Coordinator, Fort Riley, KS
Construction/Combat Engineer, Fort Riley, KS and Iraq
2002 University ROTC Recruiting Operations Officer, Duke and NC Central Universities
SC Department of Health & Environmental Control, Columbia, SC
Hydrogeologist

GRANTS

External funding

- 2020 **National Science Foundation.** "SCC-IRG Track 1: Reducing Barriers to Residential Energy Security through an Integrated Case-management, Data-driven, Community-based Approach." (\$2.1M. PI)
2020 **Michigan Department of Environment, Great Lakes & Energy (EGLE).** "Clean Energy for Low-Income Communities Accelerator (CELICA) in Michigan, Phase III." (\$13,768. PI)
2020 **Walker-Miller Energy Services/Ameren Illinois Company.** "Diverse Customer Engagement in Clean Energy." (\$62,548. PI)
2019 **Natural Resources Defense Council.** "Study on Energy Burdens and Evictions." (\$14,727. PI)
2019 **National Institutes of Health.** "Evidence to improve heat warming effectiveness in reducing morbidity and mortality." (\$663,000. Co-I, PI: Gregory Wellenius)

- 2018 **Harvard University/JPB Foundation.** “Exploring Associations between Temperature Exposure, Housing Quality, and Health During the Winter in Energy Poor Households.” (\$240,000. PI)
- 2018 **Alfred P. Sloan Foundation.** “Profiling Households in the Energy Efficiency Financing Doughnut Hole.” (\$57,524. PI)
- 2016 **Department of Energy/National Renewable Energy Lab.** “Unlocking Widespread Solar Adoption: Understanding Preferences of Low- to Moderate-Income Households to Create Scalable, Sustainable Models.” (\$1.3M. Co-PI, PI: Benjamin Sigrin, NREL)

Internal funding – University of Michigan

- 2019 **Graham Sustainability Institute Catalyst Grant.** “The Cumulative Economic Burden of Air Pollution Health Impacts and Energy Inefficiency under Different Energy Mix Scenarios in Southeast Michigan.” (\$10,000. Co-PI, PI: Carina Gronlund)
- 2019 **Poverty Solutions Initiative.** “Detroit Communities Reducing Energy and Water (D-CREW).” (\$50,000. Co-PI, PI: Marie O’Neill)
- 2019 **MICHR- Pathway to Independence Award.** “Assessing Respiratory, Cognitive, and Mental Health Benefits of Energy Efficiency Upgrades in Detroit, MI.” (\$75,000. Co-I, PI: Marie O’Neill)
- 2019 **Graham Sustainability Institute Catalyst Grant.** “Expanding renewable energy policy initiative.” (\$10,000. Co-PI w/Sarah Mills & Barry Rabe)
- 2019 **M- Cubed.** “Energy justice, housing and health in a changing climate.” (\$60,000. Co-PI w/Marie O’Neill & Carina Gronlund)
- 2018 **Poverty Solutions Initiative.** “Eliminating the Path to Energy Poverty: A Multi-State Analysis of Equity in Energy Efficiency Investments.” (\$20,000. PI)

AWARDS AND FELLOWSHIPS

- 2020 Michigan Clean Energy Leaders Project
- 2019 Midwest Energy News 40 under 40
- 2019 Grist.org 50 Fixers
- 2019 Oakland County Michigan Elite 40 under 40
- 2018 JPB Environmental Health Fellows Program. Harvard University, 2018-2021
- 2016 ECO:nomics Investing in the Future of Energy Fellow. Wall Street Journal, 2016
- 2013 Institute for Policy & Social Research Doctoral Research Fellow. U. of Kansas, 2013-2014
- 2011 National Science Foundation Integrative Graduate Education and Research Traineeship (IGERT) Climate Change Humans and Nature in the Global Environment (C-CHANGE) Fellowship. University of Kansas, 2011-2014
- 2009 Thomas Page & Barbara Kester Scholarship. University of Kansas, 2009-2011
- 2009 Myron D. Calkins Scholarship. American Public Works Association – Kansas City Metro Chapter, 2009-2011
- 2006 Maurine Allison O’Bannon Memorial Scholarship. Kansas State University, 2006-2007
- 2001 Dwight D. Eisenhower Transportation Fellow. NC A&T State University, 2001-2002
- 2000 Southeastern Transportation Center Scholar. NC A&T State University, 2000-2001

PROFESSIONAL SERVICE

University Service – University of Michigan

- University Library Advisory Council
- School for Environment & Sustainability: *PhD Admissions Committee (2019-)*
Detroit Initiative Committee (2019-)
Masters Project Task Force (2019)
Scholarship Committee (2018)
- Faculty Advisor: *GRID Alternatives Students for Sustainable Energy*
People of the Global Majority for the Environment (PGMent)

Professional Affiliations

American Political Science Association

Association for Public Policy Analysis and Management
 American Society of Civil Engineers
 American Society for Public Administration
 Domicology Network, Michigan State University
 Scholars Strategy Network
 Urban Affairs Association
 U.S. Green Building Council
 University of Michigan: *Center for Sustainable Systems*
 Center for Local, State and Urban Policy (CLOSUP)
 Detroit Community-Academic Urban Research Center (Detroit-URC)
 Energy Institute
 Graham Sustainability Institute
 Poverty Solutions Initiative
 Science, Technology, and Public Policy (STPP) Program
 Heatwaves, Housing, and Health (HHH) Partnership

Public Service

State Appointments

Michigan Department of Environment, Great Lakes, and Energy, Advisory Council for Environmental Justice (MAC-EJ)
 Michigan Department of Health and Human Services, Weatherization Policy Advisory Committee
 Michigan Public Service Commission, Energy Waste Reduction Low Income Workgroup

Local Government

Green Task Force, Detroit Climate Action Committee, Housing and Neighborhoods Subgroup
 City of Detroit, Housing Efficiency Working Group

Nonprofit Appointments

Ecology Center, Board of Directors
 Institute for Energy Innovation (IEI), Board of Directors
 Green Home Institute, Board of Directors

CONSULTING EXPERIENCE

2020 Ecoworks, City of Detroit Climate Strategy Implementation
 2020 City of Ann Arbor, Aging in Place Efficiently
 2019 GRID Alternatives, TNC/Electric Vehicle Equity Project
 2018 Clean Energy States Alliance (CESA), Solar Equity report consultant
 2018 City of Ann Arbor, MI Equity Scan of Climate Action Plan

CERTIFICATIONS & SKILLS

Certifications: 2015- Diversity, Equity, and Inclusion Certificate, University of Michigan
 2013- Graduate Certificate in Environmental Studies, University of Kansas
 2009- Professional Engineering License (PE), Missouri Registration
 2002- Waste Management Certification, NC Agricultural and Technical State University

Software: ArcMap; STATA; ATLAS.ti; Qualtrics; Microsoft Products; Google Products