

BUILDINGS TECHNICAL WORKGROUP MEMBERS

- **Christopher Fang Brehm**

Chris Fang Brehm works for ICF, supporting the commercial incentive programs offered through Pepco, Delmarva Power, BGE and Washington Gas as part of EmPOWER Maryland. He has worked in the energy efficiency industry for over 7 years, and is an alumnus of the Department of Energy's Industrial Assessment Center program. He received his Master degree from the University of Delaware's Center for Energy and Environmental Policy in 2013, conducting research on economic impact models for shale gas development in Pennsylvania. He currently lives in Silver Spring with his wife Jenny and their dog Bentley.

- **Thomas Deyo**

Tom Deyo is the Chief Executive Officer of the Montgomery County Green Bank. Tom has over 30 years of experience in the for-profit and nonprofit sectors of housing and community development and green programs with concentrations in the areas of financing and investment, technical assistance, knowledge building, and grant making. Tom previously worked at NeighborWorks America where he led its division focused on real estate development and management and green strategies for nine years. Prior to NeighborWorks, Tom was at Fannie Mae for fourteen years working in its Housing and Community Development division. Tom has been a resident of Montgomery County for nearly 30 years.

- **Mike Dieterich**

Mike Dieterich envisions, professionally works towards building, a world where there is a balance between profit, people, and the environment. Mike is LEED AP, a degreed environmental scientist, best-selling author, and award-winning producer working to create a Zero Energy, Water, Waste future with sustainable technology. Currently Energy and Sustainability Manager at AstraZeneca.

- **Stan Edwards**

Stan Edwards is the Chief of Energy, Climate, & Compliance Division in the Montgomery County Department of Environmental Protection. He manages a range of programs related to energy efficiency and renewable energy; climate change; and air and water quality, noise, illegal dumping, and other environmental nuisance issues.

- **Michal Freedman**

Michal Freedman trained professionally in two different fields, law and epidemiology. This led to his serving in several quite varied positions, including as a policy lead for Common Cause, the national citizen's advocacy group; as a Maryland Assistant Attorney General representing the State Health Department; and most recently, as a research epidemiologist for the National Cancer Institute. About five years ago, his readings on the climate crisis impelled me toward climate advocacy. For the past four years, he has served as Vice Chair of the Sierra Club Group in Montgomery County, focusing on energy efficiency and energy financing policies designed to help mitigate the carbon emissions from buildings. He hope to be part of a process that results in Montgomery County serving as a model of what localities across the country can do.

- **Gregory Knoop**

Greg is a principal at ECO-MAR, LLC and director of sustainable architecture, resilience planning, and energy & environmental policy. He is a registered architect with more than 29 years of experience in the design and

planning of government, commercial, and medical facilities throughout the world. He has a B.Arch from the Carnegie Mellon University School of Architecture and an MS in Energy Policy and Climate from Johns Hopkins University. He holds an NCARB certificate and architectural registrations in PA, WV, VA, MD, and NY as well as being a LEED accredited professional.

- **Eric Koh**

Eric Koh is the College Architect for Montgomery College. He has over 32 years of experience with the College building green and sustainable educational facilities through new constructions and renovations with particular emphases on facilities' longevity, resiliency, and ease of maintenance. He holds an M Arch in Urban Design from Harvard University; completed two-year graduate study in Large Resources Management from Dept. of Landscape Architecture, University of Illinois at Urbana-Champaign; and received a B Arch from Chung Yuan Christian University, R.O.C. Eric is a resident of Columbia and drives an all-electric vehicle carpooling with his wife to work for the past five years.

- **Keith Levchenko**

Keith has been with the Montgomery County Council Central Staff for almost 20 years, and serves as Senior Legislative Analyst. His portfolio includes: environmental protection (including issues such as: climate change, stormwater management, solid waste, water and sewer), public school construction, and emergency management. Before his time at the Council, Keith worked in the County's office of Management and Budget. Keith has a master's degree in public policy from the University of Maryland and a bachelor's degree in Political Science from Wake Forest University. Keith grew up in Montgomery County and currently lives in Germantown

- **Khalid Malik**

Khalid Malik is passionate about green building practices and environmental conservation measures. In his ten-year sustainable development career, he has been fortunate to work with qualified technical service providers that include: Lockheed Martin, ICF, DCSEU, Honeywell, Leidos, Sodexo and Willdan – to deliver energy efficiency programs throughout Maryland and surrounding regions. He is very excited to share his knowledge and experience with the County climate team to distinguish itself as a community leader of change. Together we can implement a plan to impact residents and business operators now and well into the future. Let's make it happen!

- **Gina Mathias, City of Takoma Park, Sustainability Manager**

Gina Mathias is the Sustainability Manager for the City of Takoma Park and has over 15 years' experience in the environmental field. She has directed energy efficiency projects working for an energy efficiency contractor, worked at an environmental think-tank in Washington DC, regional advocacy and educational organizations, and has experience working on an organic farm. In her current role with Takoma Park Gina is focused on implementing the City's efforts to reach 100% of reduction in greenhouse gas emissions by 2035 and creating new sustainability programs for the municipality. Gina also served as President of the National Board of Directors for EcoWomen, a national non-profit dedicated to advancing women working in the environmental field. She earned her Bachelor of Science in Environmental Education, Communication and Interpretation from the Ohio State University, and a Sustainable MBA from Green Mountain College.

- **Craig Moloney**

Craig Moloney has a reputation for excellence in providing award-winning design solutions to hundreds of commercial and residential clients. His primary areas of focus are historic restoration and renovation, and environmentally sustainable “green” design. While these may seem to be very different areas of expertise, he believes they are essentially complementary. The most sustainable building conserves and reuses the embodied energy of an existing building. Craig Moloney founded his company, CEM Design, over thirty years ago with the goal of providing exemplary, energy conscious, approachable architectural building design throughout the mid-atlantic region.

- **Christopher Pendley**

Chris is a CEM and LEED Green Associate and has been in the energy efficiency field in Montgomery County since 2007. Chris has developed and implemented a range of projects, from large-scale central retrofits to small-scale controls optimization measures, and led the project team developing the first multifamily campus trigeneration design-build project in DC. With metering and automation systems analytics experience both locally and internationally in over 10,000,000 square feet of property, Chris has experience in both targeted, site-specific strategies and large-scale, portfolio level program implementation.

- **Shane Pollin**

As Director of Development Shane Pollin is responsible for the development activities of The Duffie Companies. Shane is passionate about building science and constructing more durable, resilient, and efficient buildings. He is also the driving force behind the Duffie Companies’ move toward high performance green building. Shane is a LEED accredited professional (BD+C) with a broad range of green building experience across a variety of project types.

- **Samir Qadir**

Samir Qadir has 15 years of experience in environmental research and consulting supporting federal and state clients. Areas of technical expertise include energy audits and building assessments, greenhouse gas emissions and climate change, pollution prevention, solid and hazardous waste, sustainability program implementation, and environmental management systems. Mr. Qadir has conducted onsite energy assessments for multifamily properties in Maryland, prepared detailed analyses of lifecycle greenhouse gas emissions for energy infrastructure projects, and supported sustainability and energy-related program implementation, data collection and reporting. Prior to his current position, Mr. Qadir carried out research on the environmental impacts of chlorine, paper, and automobile manufacturing firms in India as part of a joint project between the Government of India and the United Nations Development Program. He is a member of the U.S. Green Building Council’s Montgomery County committee and is currently enrolled in the Maryland Climate Leadership Academy’s training program for the Climate Change Professional credential.

- **Lauren Ross**

Lauren Ross manages the Local Policy Program at the American Council for an Energy-Efficient Economy (ACEEE) where she focuses on the local implementation of energy efficiency. Her research concentrates on the nexus of energy efficiency, equity, and cities. She is the lead on ACEEE's work to expand policies and programs to improve energy use in underserved and under-resourced communities, with an emphasis on affordable housing. Through her work with cities, she continues to promote energy efficiency as a tool to make communities more economically vibrant, healthier, and adaptable in the face of climate change.

- **Tina Schneider**

Tina Schneider works for the Maryland National Capital Park & Planning Commission. Tina has over 25 years' experience in habitat assessment and restoration, urban ecology, and sustainable planning. Over the last 10 years, she has directed her profession towards fighting climate change via the planning process. She writes master plans that push beyond existing regulations and restrictions to increase and implement green infrastructure, high performance buildings, smart growth, and urban/suburban landscapes that perform biologically. Tina has been freelancing with green architects for over 19 years and has taught green infrastructure at George Washington University.

- **Lindsey Shaw**

Lindsey Robinett Shaw has been with Montgomery County's Department of Environmental Protection for over 4 years, serving as the County's Manager of Energy and Sustainability Programs and the Commercial Energy Program Manager prior to this Manager role. Her primary role is to support energy efficiency, renewable energy, and sustainability programming for businesses and residents in the County. Before coming to the County, Ms. Shaw was an environmental consultant serving the Federal sector and has experience in the sustainable nonprofit world as well. She is a LEED AP® O+M, holds the Energy Efficiency Practitioner credential from the Association of Energy Engineers, and serves on the USGBC-National Capital Region's Market Leadership Advisory Board. Ms. Shaw received her master's degree in Energy Policy and Climate from Johns Hopkins University, and her bachelor's degree in Environmental Policy and Analysis from Boston University.

- **Erica Shingara**

Erica Shingara is the Sustainability Coordinator for the City of Rockville, a diverse community of nearly 68,000 residents and 4,000 employment establishments. She works with residents, businesses, City departments, and local and state governments on the development and implementation of a variety of sustainability initiatives; including green building, energy efficiency, renewable energy, climate action planning, recycling and waste management, stormwater management, and environmental education and outreach. Rockville strives to be a leader in sustainability and has earned recognition as a Maryland Smart Energy Community, Sustainable Maryland Certified municipality, certified Community Wildlife Habitat, and a U.S. Environmental Protection Agency Green Power Community.

- **Bala Srin**

Bala Srin, is currently a Director at DVA Energy, a division of DVA Architects LLC, since 2005. Mr. Srin, as a green building design consultant demonstrates exceptional green building technical knowledge and skill, significant contributions in teaching and research, exemplary leadership in green building, highly impactful commitment, service, and advocacy for green building and sustainability. His objectives are to develop sustainable architecture that is locally relevant to its location, climate, culture and people. His recent

involvement with Climate Change initiatives and integrated Net Zero Energy design process have really challenged and excited him to participate in the next generation highly energy efficient and low impact buildings.

- **Rohini Srivastava**

Rohini Srivastava conducts research to promote energy efficiency in commercial and residential buildings and examines practices that can be used to finance investments in high-performance, energy efficient technologies. She joined ACEEE in 2018. Prior to joining ACEEE, Rohini was a contributing researcher for the U.S. Department of Energy's consortium for building energy innovation (CBEI) and the U.S. Department of Energy's and Government of India's joint center for building energy research and development (CBERD). Rohini is a registered architect in India, where she has worked on a range of projects from educational institutions to both public and private sector office buildings. Rohini received her PhD in building performance and diagnostics from Carnegie Mellon University. She earned a master of architecture from Kent State University and bachelor of architecture from Guru Gobind Singh Indraprastha University.

- **Todd Stephens**

Todd Steffens has 18 years of experience in engineering design, energy audits, commissioning & retro-commissioning for mechanical/electrical/plumbing (MEP) systems and renewable technology for commercial, institutional, airport, and mixed-use facilities. This experience includes managing trade contracts, coordinating construction activities between trades on-site, conducting all phases of the building commissioning, design and energy auditing process, investigating construction phase problems and conflicts, and developing and presenting efficient, comprehensive solutions. These activities include the surveying of existing conditions, site assessment reporting, preparation of load and sizing calculations, equipment selection, ductwork and pipe network layout and design, and specifications preparation. He is a Vice President at Loring Consulting Engineers, Inc. in the Washington, DC office.

- **Kara Strong**

Kara Strong serves as Project Director at Sustainable Design Consulting. In her role, she has developed expertise in the management of a wide range of project types, including Higher Education, Secondary Schools, Affordable and Market Rate Multi-family Housing, Commercial and Mixed-use Development. She promotes an integrative approach to environmental design, and assists design teams in evaluating and improving the environmental and energy performance of their projects.

- **Chris Weatherly**

Chris Weatherly is currently the Energy Program Manager for Montgomery County's Department of General Services and is responsible for managing utilities, mobilizing energy data to support County outcomes, and using utility data to identify new projects and programs. Since 2013, Chris has helped secure over \$9M in MD state grants and utility incentives for projects intended to reduce GHG. Chris' has worked for a local HVAC distributor, mechanical and Monitoring-Based Commissioning (MBCx) contractor, as well as, Lockheed Martin in support of the Pepco Commercial & Industrial Energy Savings Program. Chris lives in New Market, MD with his wife and three children and is a proud member of the U.S. Navy Fleet Ballistic Submarine Service.

- **Deborah Webb**

Deborah Webb is the owner of Webb Property Services, LLC, which she started in 2016 after 25 years of successful experience in commercial and retail property management. Webb Property Services provides

services that range from temporary property management to ongoing facility management advisory, sustainability consulting and general contracting. As a LEED Accredited Professional and Fitwel Ambassador, Deborah specializes in management and services that includes improvements to efficiency, reducing the impact to the environment and adding value to building occupants and staff through wellness and best practices. A strong believer in Corporate Social Responsibility, Deborah regularly guides Clients with ideas and practices that provide benefits such as inclusiveness and reducing their carbon footprint while also improving the bottom line.

- **J. Michael Whitcomb, P.E.**

Michael Whitcomb has served as Energy Manager for Montgomery College for the past 32 years. He is a Registered Professional Mechanical Engineer, BSME & MSEng.

- **Sam Wilson**

Sam Wilson is an energy and sustainability professional with 12+ years experience in the fields of property, facility, and energy management. Over the course of his professional career, his unique and varied experience working for large corporations responsible for managing and servicing facilities throughout the D.C. Metro area, as well as working for and with early-stage startups focused on energy efficiency proptech, has provided him with a realistic understanding of the numerous challenges involved with maximizing energy efficiency in the built environment.