



MAYORS' MEGAWATT CHALLENGE

leadership by example



Alex Blue

PRINCIPAL,
BUILDING ENERGY
PRACTICE LEAD,
MORRISON HERSHFIELD

Data-Driven Policy for New Buildings

Alex Blue leads the building energy modelling practice at Morrison Hershfield. She has worked with teams across North America on over a hundred projects for a variety of building types. Using data and modeling to evaluate existing technologies, Alex has been instrumental in the BC Step Code and Green Building Standards for the Cities of Edmonton and Toronto, developing targets, standards and practices necessary to get new buildings to net zero. Alex's focus is on the nitty gritty, on-the-ground work of reducing greenhouse gas emissions in the built environment. Her work has contributed to raising the bar for industry and government to design and operate better, more efficient buildings. She is an engineer, educator, and energy nerd.



Alexander Hay

FOUNDER AND
PRINCIPAL,
SOUTHERN HARBOUR

Climate Resilience: Getting Ready for the Future

Alec Hay knows what it means for infrastructures to adapt well in the face of a changing climate. A decades-long career as a military engineer taught him that planning for a crisis is the best way to survive one. As the founder and principal of Southern Harbour, he consults with local and national governments and private portfolios across North & Central America, Arctic and Antarctic, Europe, North Africa, Middle East and Central Asia. He is also actively involved in advancing academic research around infrastructure resilience and protection planning. He is an adjunct professor at the University of Toronto's Centre for Resilience of Critical Infrastructure, where he shares his expertise with the next generation of resilience experts.



Matt Jungclaus

MANAGER,
ROCKY MOUNTAIN
INSTITUTE

Zero-Over-Time for Existing Buildings

Matt Jungclaus is a Manager with RMI's buildings practice. He works on the Pathways to Zero Initiative, which focuses on driving the adoption of net-zero energy and grid integration at the building and district levels. Matt's recent efforts at RMI include proving the economics of grid-integrated energy-efficient buildings, creating the "Zero Over Time" approach for moving real estate portfolios to net-zero energy while minimizing up-front costs, and working with district-scale net zero energy developments to achieve their goals cost-effectively. This includes Matt's ongoing involvement in the Department of Energy's Zero Energy District Accelerator. Matt has also spent time developing city-level policy and synthesizing city and regional policy best practices into "The Carbon-Free City Handbook" and "The Carbon-Free Regions Handbook".



Dharmen Dhaliah

CORPORATE ASSET
MANAGER,
TOWN OF HALTON HILLS

Asset Management: An Integrated Approach

Dharmen Dhaliah is a visionary and inspirational leader with a career-long record in strategic asset management, maintenance & reliability engineering, and project management. He is a bilingual professional with proven talent for aligning business strategy and objectives with over 28 years of public and private sectors experience in leading the development and implementation of organization-wide asset management strategies. Dharmen currently works for the Town of Halton Hills as Corporate Asset Manager and is member of the board of Asset Management Ontario (AMONTario). He is a seasoned part-time instructor, workshop facilitator, and sought-after speaker on organization-wide asset management and ISO 55000. He is the published author of "Physical Asset Management: An Organizational Challenge", and creator of the "Holistic Physical Asset Management Board Game". His second book "Organization-Wide Physical Asset Management – A Systems Approach" is coming out December 2019. Website: dharmendhaliah.com

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Russell Unger

PRINCIPAL,
RUSSELL UNGER
CONSULTING
LLC

Data-Driven Policy for New Buildings

Russell leads his own consulting practice, currently focused on helping New York State to advance energy efficiency in multifamily buildings. As Urban Green's founding Executive Director (2007-2017), he built the organization from an all-volunteer group to a national leader in green building policy, research, and education. A recognized authority who has shaped the sustainability conversation in New York City for 15 years, he has been tapped to lead blue ribbon commissions under two mayors. A lawyer by training, Russell previously worked at the New York City Council and Mayor's Office.



Christopher Halfnight

ASSOCIATE DIRECTOR,
POLICY, URBAN GREEN
COUNCIL

Climate Resilience: Getting Ready for the Future

Chris leads Urban Green's policy initiatives, working with stakeholders and policymakers to advance energy efficiency and green building in New York City and State. He was Vice Chair of the 80x50 Buildings Partnership, a collaboration of more than 40 leading stakeholders to shape an emissions policy for NYC's large buildings. Prior to Urban Green, Chris was an attorney at Shearman & Sterling LLP and worked on energy policy at the Yale Center for Environmental Law and Policy and the Natural Resources Defense Council. He holds a B.A. and law degrees from McGill University, as well as a Master's in energy policy from the Yale School of Forestry and Environmental Studies.



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