



ENERGY TRANSITION

ADVISORY COMMITTEE

Member Biographies

Peter Amerongen

Peter Amerongen of Habitat Studio has been designing and building houses for over 45 years. The path to becoming a respected expert in ultra energy efficient housing began during the 1970's energy crisis. In 2006, motivated by the climate crisis, he led the team that built Edmonton's first net zero energy house. The Riverdale NetZero Project was the first building this far north in Canada to be so efficient that it can produce all of its annual energy needs from solar energy harvested on site. Habitat Studio has since built nine other net zero energy houses and more than 40 houses that have achieved Energuide Ratings of 86 or better. Peter was on the team that built Edmonton's net zero energy Mosaic Centre and is currently working on Canada's first net zero energy affordable multifamily housing.

Peter's expertise in net zero energy building has led to over 80 public presentations in Alberta, across Canada and around North America. He is a Certified Passive House Consultant (PHI and PHIUS) and serves in leadership positions with the Net Zero Energy Coalition, the CHBA Net Zero Council and Passive Buildings Canada. This advocacy work has allowed him to learn from the foremost North American and European experts in building science and building energy efficiency and from other leading builders.

Gregory Caldwell

Greg was born in Edmonton and educated as an Engineer at the University of Alberta. Since graduation from the Faculty of Engineering Greg has worked full time while completing CMA and PMP designations.

Greg's professional experience consists of Engineering, Accounting, and Regulatory work in the Utility and Oil Field Industries. His recent focus (since 2012) has been in the areas of Business Technology, Utility Regulation, and Innovation. Greg has extensive professional experience dealing in Regulatory and financial matters, which when combined with his technical background provides a unique skillset to help understand and analyze problems holistically from an engineering, financial, and regulatory perspective.

Greg enjoys working collaboratively and in groups and has strong written and verbal communication skills. He currently participates on national committees with the Canadian Gas Association in partnership with multiple levels of government with goal of funding and testing of emerging technologies to combat climate change, promoting energy security, and alternative ways for Canadians to provide for their energy needs.

Greg is married and has two children aged one and three. When not spending time with his family he enjoys playing hockey, travelling the world, and constantly learning about new technologies and strategies to solve the challenges facing industry and society.

David Dodge

David Dodge has spent the last decade working on energy issues, energy literacy and more recently as the producer and host of the Green Energy Futures multi-media series. He has spent the last four years travelling across Canada researching and producing more than 140 video, radio and blog stories on leading clean energy technologies, projects and leaders in government and communities who are working on the transition to clean energy. His work documents successful technologies, policies and projects.

David has examined solar, wind, geothermal, biogas, biomass, biodiesel, landfill gas and many more clean energy technologies. He has produced stories on net-zero buildings, energy efficiency, electric vehicles and mode shift through urban design and has spoken at dozens of conferences, events and in the media. David is passionate and knowledgeable about clean energy in Canada.



Michael Fleischauer

Prof. Michael Fleischauer, Ph.D., P.Eng., is an Associate Research Officer and the Energy Program Coordinator at the National Institute for Nanotechnology (NINT). Mike earned his B.Sc. (Physics) at the University of Guelph in 2001. He then studied, explained, and patented lithium-ion battery electrode materials while earning his M.Sc. (Physics, 2003) and Ph.D. (2006) at Dalhousie University. Mike moved to Edmonton and the University of Alberta (UofA) for his NSERC / Alberta Ingenuity / Killam Postdoctoral Fellowship and established UofA's organic photovoltaic program. In 2007, Mike was hired by the National Research Council and expanded the photovoltaic effort to NINT. He led a major fuel cell catalyst support effort from 2010-2012. Since then, Mike has led the photovoltaic device characterization effort (from which G2V Optics Inc. was spun out), created an industry-integrated high-temperature compatible energy storage effort, and established NINT's project management office. Mike became an Adjunct Professor of Physics in 2015 and a Professional Engineer in 2016. He recently joined the Advisory Board of G2V Optics Inc. Mike has delivered 18 invited talks; his Web of Science Hirsch index is 21 with 37 refereed articles cited >1300 times.

Donald Hickey

Don Hickey is an experienced senior administrator and corporate director with relevant expertise and industry knowledge gained during more than 45 years of professional experience in the private and public sectors in both Canada and the United States. He is currently serving as the Vice-President, Facilities and Operations, at the University of Alberta, and is responsible for an annual capital budget of \$200-300 million within a capital program in excess of \$2.5 billion and an operating budget in excess of \$209 million. Included in the Facilities and Operations portfolio, is the University of Alberta's responsibility for operations of a large district energy plant servicing not only the university, but other public entities, including: Alberta Health Services, Northern Alberta Jubilee Auditorium, and the Canadian Blood Bank. A very successful Energy Management Program has been in place since the mid-1970s, resulting in reduced energy costs of \$288 million and avoidance of over 2 million tonnes of greenhouse gas emissions.

Prior to joining the university in 2003 as part of the senior administration team, Don was Vice-President and Chief Practice Officer for Stantec Consulting Ltd. Don is currently enrolled in the Institute of Corporate Directors' Directors Education Program with graduation anticipated in June 2016. His current and previous board governance experience includes such organizations as the Alberta Motor Association, the City of Edmonton LRT Governance Board, Edmonton Economic Development Corporation, and the Canadian Chamber of Commerce. Don is concluding a 13 year career at the University of Alberta and is looking for a meaningful, technically related board position in which to contribute.

Marc Huot

Marc Huot is the Manager of the Municipal Climate Change Action Centre (MCCAC), a government funded partnership between the Government of Alberta, AUMA, and AAMDC. As a part of the MCCAC team, Marc helps municipalities across Alberta reduce their greenhouse gas emissions by providing educational resources, building energy benchmarking, and funding through the MCCAC's energy efficiency and solar energy programs.

Educated at the University of Alberta, Marc is a professional engineer with extensive experience working on climate change and energy policy. Prior to joining the MCCAC, Marc worked on topics of energy efficiency and climate change from within the Government of Alberta and as technical and policy analyst with the Pembina Institute. Marc is passionate about the need to address climate change at the local level and is eager to be a part of the City of Edmonton's Energy Transition.

Steve Jackson

Steve Jackson was born, raised and continues to live in the Edmonton area. Steve grew up heavily involved in team sports including hockey and lacrosse. After grade school Steve started working in the new housing industry for a local land surveying company. During his 10 year tenure for this company Steve quickly learned the many facets of what goes into building a home.



Steve Jackson (continued)

This company provided Steve the opportunity to take time off to travel and attend NAIT School of Business. At school was where Steve quickly learnt that being in the field and hands on was where he belonged.

Steve continues to be involved in the new housing industry as an owner/operator of two companies, Enviromatics Group Ltd and Enervision Healthy Housing Choices Corp.

Enviromatics provides energy advisory consulting for new home builders across Alberta and Enervision is a licensed Natural Resources Canada Service Organization that delivers programs on behalf of NRCan like Energuide for New Homes and R2000.

Shafraaz Kaba

Shafraaz Kaba is an architect and partner at Manasc Isaac Architects with offices in Edmonton, Calgary and Bucharest. Over the last 16 years, he has made significant contributions to the design and cultural landscape of Edmonton. He was named one of Edmonton's Top 40 under 40 in 2010 and is proud of being one of the founding members of the Media, Architecture Design Edmonton (MADE) Society and the Edmonton Design Committee. He has built an infill net-zero-ready home in Beverly Heights for his family that was featured by David Suzuki in 2011. He also has designed an infill home in the Town of Athabasca, again creating a net-zero-ready home for a professional couple.

Shafraaz was the Partner-in-Charge of the team that completed the Mosaic Centre in Edmonton - a 30,000 square foot office building striving for net-zero energy and Living Building Certification. Using Integrated Project Delivery and LEAN construction methodology, this building was delivered three months ahead of schedule and under-budget.

Currently, he is working with MacEwan University on the new Centre for Arts and Culture building in downtown Edmonton.

David Kahane

David Kahane is a Professor of Political Science at the University of Alberta. His research and teaching focus on citizen involvement, environmental policy, and systems change. From 2010-2016 he led Alberta Climate Dialogue (ABCD), a federally funded community-university research partnership that has convened citizens in Alberta to deliberate on climate change policy. This work included developing the Citizens' Panel on Edmonton's Energy and Climate Challenges, a group of 56 randomly recruited Edmontonians who met for six days in 2012; their recommendations from the Panel fed into Edmonton's Energy Transition Strategy, passed by Council in April 2015. He is particularly interested in how the Energy Transition Advisory Committee can engage large numbers of Edmontonians from all walks of life in energy transition action, and in how aspirations around energy transition can be made salient to the complex decisions made within and across City departments.

Vicki Martin

Vicki Martin is currently the Senior Director, Environmental and Renewables Industries at the Ministry of Economic Development and Trade where she is responsible for supporting the growth of the environmental and renewables industries across Alberta. Before joining this ministry, she was the Director of Project Management and Business Process Effectiveness with the Ministry of Environment and Sustainable Resource Development where she provided oversight for the ministry's key initiatives. She also had the opportunity to spend six months as the acting Chief Risk Officer for the Ministry. Prior to joining government Vicki was a successful entrepreneur. In 2004 she founded Kendrik Canada, a company that supported mortgage, insurance and real estate industries across Canada through learning and development programs, including in-house developed technology. The company was sold in 2010 to a national professional association.



Vicki Martin (continued)

Vicki is a sessional instructor with the University of Lethbridge, where she teaches Project Management in the Faculty of Management. She is a part-time student at the University of Alberta, where she is in the process of obtaining her law degree. She holds a Master of Science in Sustainable Energy Development, a Bachelor of Commerce, a Diploma in Marketing Management (Real Estate), and a Six Sigma Greenbelt Certification. Vicki is very proud of her two grown children, and knows that the strong Edmonton community values and programs (like Splashy Arts Camp) contributed to their happiness and success.

Reza Nasser

Reza Nasser is the founder and CEO of Landmark Group of Companies. An astute businessman, Reza founded Landmark in 1977 with an entrepreneurial commitment to build better homes for families at the best price possible and has been building homes from Landmark's Edmonton headquarters for over 39 years. Since then he has grown the organization to be one of Alberta's largest home building companies often being at the forefront of the industry's most significant innovations. Along the way Landmark has become a leading proponent of reducing the environmental impact of the home building industry and encouraging the creation of energy efficient homes. In 2015, 97% of Landmark's homes received an EnerGuide rating of 82 or higher.

The homebuilding industry has never been forced to improve and Reza has always been driven to change that. He chose to industrialize residential construction to make sustainable homebuilding possible on a large-scale. In doing so, his company has redesigned the way homes are built by replacing site construction (stick-building) with an indoor state-of-the-art manufacturing process, named ACQBUILT.

Reza and his company are renowned for engaging in a wealth of philanthropy that has benefited thousands of people here in Edmonton and the world over. In 1995, the Landmark Cares program was created and this major philanthropic initiative has aided advances in social and community programs, education, environment and medicine donating over \$12 million to date. Additionally, in 2014, Reza and his family donated \$10 million to the University of Alberta Faculty of Engineering to develop a school that will focus on improving the use of materials and energy in the design and construction of homes and commercial buildings. Reza's contributions to the building industry and to the community have been recognized with many honours including:

- » 2014, Klaus Springer Awards, CHBA Alberta
- » 2014, Alberta Business Hall of Fame Inductee
- » 2013, Queen Elizabeth II Diamond Jubilee Medal
- » 2013, Alberta's 50 Most Influential People, Alberta Venture
- » 2013, Ernst & Young Entrepreneur of the Year Award, Real Estate and Construction Category
- » 2012, Canada's Clean 16, Building Design and Development
- » 2010, Alberta Order of Excellence
- » 2010, City of Edmonton Salute to Excellence, Community Service Hall of Fame
- » 2007, U of A Hospital Foundation Audrey Greenough Award of Merit for volunteer service and support for the advancement of health
- » Peter Loughheed Award of Achievement for Advancement of Health Services

Lori Nickifor

A native Albertan and engineer, Lori has over 18 years of experience in the energy and power industries and is currently Vice-President, Health, Safety and Environment at Capital Power. Lori has extensive involvement with renewable energy facilities including wind and solar projects and provides strategic advice and counsel on environmental and other matters. As well, Lori was involved with developing proposals for Alberta's Climate Change Panel. As Capital Power's representative to the EXCEL Partnership, a group of major Canadian corporations committed to sustainability leadership, Lori contributes to the development of corporate strategies and business models to integrate and improve sustainability initiatives in corporations across Canada.

With her personal commitment to sustainability, an extensive knowledge of renewable energy, efficiency and power systems, a deep understanding of carbon intensity matters, and an extensive network of contacts, Lori contributes to energy leadership and sustainability.



Lori Nickifor (continued)

Lori holds her Bachelor of Science in Electrical Engineering from the University of Alberta and has completed the Queen's Executive Development Program in Strategy and Finance.

Lori is also a past champion of Capital Power's United Way campaign and is an active mentor in MORE, an Edmonton based mentoring program for women.

Klaas Rodenburg

Klaas has been in the building design industry for more than 35 years receiving his LEED AP accreditation in 2003. He has served as the Chair of the Alberta Chapter of the CaGBC as well as a director on the CaGBC Board and has served as the CEO of the Alberta Center of Excellence for Building Information Modelling (aceBIM). He has a Bachelor of Arts degree with a major in Industrial Design (1984) and a Master of Arts degree in Communications and Technology (MACT) (2009) both at the University of Alberta.

Klaas was the Sustainable Design Coordinator at Stantec before moving to Mammoet Canada Western in 2014 as a quality advisor where he is a member of the Sustainability Steering Committee, a Global initiative responsible for identifying and implementing innovative solutions to sustainability challenges faced by Mammoet and its sister companies. He is currently the volunteer President of the Alberta Council of Technology (ABCTech), has taught sustainability courses at NAIT, Lakeland College and U of A, and has presented at a variety of sustainability focused events.

Chris Vilcsak

Chris Vilcsak is President and CEO of Solution 105 Consulting Ltd. and has been active in the energy industry for more than 30 years. He started Solution 105 17 years ago, focusing on "Making Sense of Energy" for companies operating in deregulated environments. Today, Solution 105 is an award-winning global provider of complete utility management solutions with a client list that includes some of Canada's largest property owners and managers (e.g. Oxford Properties, Manulife Financial, Morguard, Bentall Kennedy). They also bought EPCOR's submetering business a few years ago and that business has grown extremely fast.

Chris was born and raised in Edmonton and area, graduating with a mechanical engineering degree from the University of Alberta in 1985 and completing an MBA on a part-time basis from the U of A in 1997. He credits the MBA with sparking his entrepreneurial fires. He is active in the community on a professional and personal level, having served six years on the board of the Edmonton Chamber of Commerce, several more years on the City of Edmonton's Renewable Energy Task Force, and has been on the BOMA Edmonton board since 2005.

Geoffrey Wagner

Geoff is a Professional Engineer with over 20 years' experience in the power industry. He holds both Bachelors and Master degrees in Engineering from the University of Alberta. During his career Geoff has worked in all areas of power, spending considerable time working in generation. His experience includes working in renewable generation and he has managed wind, landfill gas, hydro and biomass facilities.

Geoff is currently the Director for EPCOR Technologies which is an integrated engineering, construction and maintenance firm providing, Traffic and LRT Signals, Street and Specialized Lighting, LRT Traction Power, and Fibre Optic services to a range of organizations. Geoff has been with EPCOR for 20 years. He is active in the community and has lead Scouts and coached soccer. He is a Director of the Edmonton Power Historic Foundation.

