

George Andraos, Director of Energy, Ford Motor Company



(George is left)

George leads the energy supply, quality and efficiency for Ford Motor Company facilities globally, he procures electricity, natural gas and other fuels, he leads the implementation of energy efficiency action globally across all manufacturing, R&D and corporate facilities including the implementation of energy projects, performance contracts and renewable/sustainability programs.

George has been leading the energy team since 2003, during this time Ford has improved its energy efficiency by over 30% and received 6 consecutive Energy Star awards for Partner of the Year/Sustained Excellence and in 2013 Ford became a U.S. Department of Energy Better Plant Challenge Partner. His team implemented over \$250 Million in energy projects/performance contracts including steam elimination at the majority of our North America facilities, building systems upgrades, compressed air control system, lighting, utility metering and BMS systems. He is heading the development of Industry leading green dealership program that assists dealers in identifying and implementing energy/sustainability projects.

John Carmody, Senior Fellow, University of Minnesota



John Carmody is a Senior Fellow at the University of Minnesota's Metropolitan Design Center and the Center for Sustainable Building Research (CSBR). He holds a Bachelors and Masters degree in Architecture from the University of Minnesota. As former Director of CSBR, he has worked in building-related research for 30 years and is the author of several books on building design and construction. Mr. Carmody was one of the leaders of a team that developed the State of Minnesota Sustainable Building Guidelines and the 2030 Energy Standard required on State-funded buildings. His work also includes research on sustainable community design, life cycle assessment of materials, affordable housing, post occupancy evaluations, and the development of decision-making tools for designers.

Eric Engh, Senior Vice President, Ryan Companies



Eric Engh was announced as Senior Vice President of Ryan Companies Private Sector in late 2012. He leads a team of specialists who are experts in the design, construction, development and management of government offices, county, district and federal courthouses and other public facilities.

Engh has been with Ryan for more than 15 years, beginning his career as a project manager and progressing steadily into leadership/management roles where he has thrived for the past 11 years. Engh was instrumental in expanding Ryan's distribution center business, and he worked closely with Target in establishing their US food distribution network and logistical program in Canada. He has worked on projects in most of the contiguous 48 states and is intimately familiar with Ryan's operations and systems. Prior to Ryan, Engh worked as a project manager for Vandervert Development and Michael Curry Companies.

Engh has a Bachelor of Science degree in civil engineering from the University of Minnesota and a Master of Business Administration from the University of Iowa. He is a Leadership in Energy and Environmental Design accredited professional (LEED-AP).

Bill Grant, Deputy Commissioner, Minnesota Department of Commerce



Bill Grant is the Deputy Commissioner of Energy and Telecommunications for the Minnesota Department of Commerce. He is responsible for developing and managing programs and policies for Energy Planning and Advocacy, Energy Facility Permitting, the State Energy Office, Energy Assistance, Telecommunications, and the Broadband Development Office.

Before joining the Department in February 2011, Grant served as associate executive director of the Izaak Walton League of America, a position he held since 1995. The Izaak Walton League protects America's outdoors through education, community-based conservation, and promotion of outdoor recreation.

Prior to becoming the League's associate director, Grant served as director of the League's Midwest Office from 1992 to 1995; in that position he directed the League's advocacy of utility regulatory reform policies to promote energy efficiency and renewable energy in the Upper Midwest.

Grant has been instrumental in the development of several League publications, including *Power to Spare* in the Upper Midwest, *Energy Efficiency* and *Minnesota Jobs: The Employment*

Impacts of Electric Utility Demand-Side Management Programs, and The Landowner's Guide to Wind Energy in the Upper Midwest.

Before joining the League, Grant spent seven years with the Minnesota Department of Public Service. His responsibilities there included the review of utility conservation plans, integrated resource plans, certificate of need filings, and interventions before federal regulatory agencies. Grant also spent six months on special assignment with the Minnesota Pollution Control Agency.

Grant earned a Bachelor of Arts degree in political science and history from Macalester College in St. Paul (1979) and a Master of Arts in Public Administration from Hamline University in St. Paul (1995).

Richard Graves, Director, U of M Center for Sustainable Building Research



Richard was recently hired as the Director of the University of Minnesota's Center for Sustainable Building Research (CSBR). Prior to joining CSBR, he was the Executive Director of the International Living Future Institute, and drove the operations and strategic efforts around all of the Institute's signature programs: the Living Building Challenge, The Natural Step USA, Ecotone Publishing and the Cascadia Green Building Council. The Institute's work moves across scales, offering global strategies for lasting sustainability, partnering with local communities to create grounded and relevant solutions, and reaching out to individuals to unleash their imagination and innovation to create a future that is socially just, culturally rich and ecologically restorative.

In 1994, Richard received his Bachelor of Architecture from Virginia Polytechnic Institute and State University. He went on to receive a Master of Architecture degree from Rice University in 1996.

Zack Hansen, Environmental Health Director, Ramsey County

Zack is currently is the Environmental Health Director of the St. Paul – Ramsey County Department of Public Health. The 60 or so professional, technical and service employees in that Section carry out Ramsey County's work in solid and hazardous waste planning, regulation and management; community environmental health; environmental health emergency preparedness; energy and sustainability policy; healthy homes and lead hazard control.

Zack also helps lead the two-county Ramsey/Washington County resource recovery project. He serves as policy staff for the Solid Waste Management Coordinating Board, a regional solid waste joint powers board, and also represents Ramsey County on a number of regional and state associations, working groups and task forces.

Before holding his current position, Zack was the Solid Waste Division Manager for Ramsey County. He has a Bachelor's Degree in Biology from St. Olaf College (1978) and a MS in Environmental Health from the University of Minnesota's School of Public Health (1982).

Alexandra Klass, Professor of Law, University of Minnesota Law School



Alexandra B. Klass teaches and writes in the areas of energy law, environmental law, natural resources law, tort law, and property law. Her recent scholarly work, published in many of the nation's leading law journals, addresses regulatory challenges to integrating more renewable energy into the nation's electric transmission grid, oil and gas transportation infrastructure, federal financial support for renewable energy development, eminent domain issues surrounding interstate electric transmission lines and oil and gas pipelines, and the legal issues associated with using carbon capture and sequestration technology to limit greenhouse gas emissions from coal-fired power plants.

Prior to her teaching career, Professor Klass was a partner at Dorsey & Whitney LLP in Minneapolis, where she specialized in environmental law, natural resources, and land use cases. She continues to represent clients pro bono in cases involving environmental law and land use matters. She was an Associate Professor of Law at William Mitchell College of Law from 2004-2006.

Professor Klass has served in leadership positions in state and national bar organizations. She is currently on the Board of Directors of the Minnesota Center for Environmental Advocacy and on the Governing Council of the Environmental and Natural Resources Section of the Minnesota State Bar Association. She served as co-chair of the Environmental Law Section of the Hennepin County Bar Association from 2000-2006. She is a Member Scholar at the Center for Progressive Reform, and a Resident Fellow at the University of Minnesota's Institute on the Environment.

Professor Klass received her B.A. degree in political science and French with distinction from the University of Michigan in 1988, and her J.D. cum laude from the University of Wisconsin Law School in 1992.

Matt Kramer, President, Saint Paul Area Chamber of Commerce



Dr. Kramer currently serves as the President and CEO of the Saint Paul Chamber of Commerce. Before his current position, he served as Director of Corporate Relations for the U of M from 2009 until taking his current position in 2010.

Dr. Kramer received his BS in Cartography from the University of Minnesota – Twin Cities in 1984. He went on to receive a MA in Organizational Leadership from Bethel University in 2010 and ultimately received his EdD in Leadership from Creighton University in 2013.

Laura McCarten, Regional Vice President, Xcel Energy



Laura McCarten is Regional Vice President, Customer and Community Services, Northern States Power, Minnesota, which encompasses the company's service areas in North Dakota, South Dakota and Minnesota. NSP-MN is an operating company of Xcel Energy, an electric and gas utility with service territory in eight Western and Midwestern states, serving 3.3 million electricity customers and 1.8 million natural gas customers.

Laura is responsible for customer account management, community relations and gas business development in the three states, and the regulatory interface in North Dakota and South Dakota.

Previously, Laura served as co-Executive Director for the CapX 2020 Transmission Initiative, a consortium of eleven utilities that provide transmission service in Minnesota and adjacent states. Laura began working at Northern States Power in 1979 as a nuclear engineer, and has since worked in the regulatory, electric utility, community relations and transmission areas of the company.

Laura has served as the Regional Vice President for Xcel energy since October of 2009. Prior to serving as Regional VP, she worked for Xcel as their Director of Regional Transmission Development from February 2006 until September of 2009.

Laura received her BS in Nuclear Engineering from the University of Wisconsin-Madison in 1979.

Michael Noble, Executive Director, Fresh Energy



Michael has been the executive director of Fresh Energy since 1995. Michael concentrates on building constituencies and developing policies for a new energy system. He has nearly 30 years of professional expertise in energy, and has been a key strategist for major public policy innovations in energy, such as energy efficiency, renewable energy development, global warming solutions, and strategies to reduce reliance on foreign oil in Minnesota and the Midwestern region. Michael has served as the CEO of three different not-for-profit energy organizations since 1979 and one for-profit energy services company. Passion for progress is what drew Michael into Fresh Energy; he wanted to work full time on changing the rules of the game, so that cleaner and smarter energy choices could flourish.

Michael graduated from Carleton College *cum laude* with a BA in History. Currently, he is the Chair of the Clean Energy Working Group and serves on the Steering Committee of RE-AMP. In addition, Michael serves on the board of directors of Conservation Minnesota Voter Center, Wind on the Wires, and the Will Steger Foundation.

Matt Schuerger, Energy Systems Consulting Services and Ford Task Force Representative



Matt Schuerger is an independent consultant working on planning, analysis, and development of sustainable power systems. He has thirty years of experience in the utility industry. Matt is a licensed Professional Engineer with a M.S. degree in Electrical Engineering (Power Systems) from the University of Minnesota, a B.S. degree in Mechanical Engineering from Purdue

University, and an MBA from the University of St. Thomas. He lives in Saint Paul's Highland Park neighborhood.

Ken Smith, President & CEO, District Energy St. Paul



Kenneth W. Smith was named President and CEO of District Energy St. Paul in August 2010. He also serves as the president and CEO of affiliate Ever-Green Energy. Prior to joining District Energy in 2006, Ken worked for over 20 years consulting, designing, and implementing energy projects globally for a variety of industries. He is a regular contributor to conferences, studies, legislative initiatives and task forces and a frequent speaker nationally and internationally on energy trends, renewable energy, energy conservation and integrated energy systems. Ken serves on the Board of Directors and Executive Committee of the International District Energy Association.

Ken has a M.B.A. from the University of St. Thomas and a B.S. in Electrical Engineering from North Dakota State University. He is a registered Professional Engineer in several states and a member of several professional organizations.

Sheldon Strom, President, Center for Energy and Environment



Sheldon Strom is the founder and president of the Center for Energy and Environment. Under Sheldon's leadership, CEE has served more than 70,000 homes and businesses with energy efficiency programs, provided more than \$150 million in financing and completed over 100 research projects. Sheldon is actively involved in the development of all of CEE's programs and works hard to develop practical cost-effective energy efficiency programs that serve underserved markets.

All of Sheldon's work on legislation and utility policies is based on the principle that everyone benefits from smart energy policies. He has worked closely with utilities for decades and promotes programs and other strategies that benefit the customer, the utility and all ratepayers. Sheldon's utility regulatory work includes participation in Integrated Resource Planning, development of utility Demand Side Management (DSM) incentive programs, development of procedures for review of utility DSM programs, and review and modification of procedures for determining program cost effectiveness.

Sheldon played a major role in the development of the landmark 2007 energy legislation that established 1.5% annual savings goal for Minnesota utilities. Under this legislation, Minnesota utilities have almost doubled their cost effective energy saving from their programs. Sheldon has a B.S. in Mechanical Engineering from the University of Minnesota and a M.S. in Architecture from the University of Wisconsin/Milwaukee.

David Thornton, Assistant Commissioner, Minnesota Pollution Control Agency



Assistant Commissioner David Thornton is responsible for overseeing the development and implementation of the agency's air policies to improve and maintain air quality in Minnesota.

David joined the MPCA staff in 1980 as the Acid Rain Coordinator. After that, he managed air quality monitoring, data analysis and air policy activities for many years. Most recently he has been involved with implementing federal regional haze regulations, and developing policies to help reduce air emissions, particularly mercury emissions from power plants.

Originally from Texas, David is a graduate of Texas Christian University with a degree in chemistry and attended graduate school at the University of Minnesota where he studied atmospheric chemistry and environmental science.