



**A Smart
Energy Future**
Will Edina Lead the Way?

5th-Annual Edina Environmental Forum
Thursday, April 14, 2016
Fick Auditorium, Edina High School
(enter Door No. 3)

6-7 p.m. Action Resource Fair & Refreshments
7 p.m. Program

Speaker Bios

Keynote:

Elizabeth Wilson, *Professor of Energy and Environmental Policy and Law, Humphrey School of Public Affairs; Fellow, Institute on the Environment (IonE), University of Minnesota*

Dr. Elizabeth J. Wilson is a Professor of Energy and Environmental Policy and Law at the Humphrey School of Public Affairs at the University of Minnesota. She studies how energy systems are changing in the face of new technologies and new societal pressures. Her work focuses on the implementation of energy and environmental policies and laws in practice. She studies how institutions support and thwart energy system transitions and focuses on the interplays between technology innovation, policy creation, and institutional decision making. Recent research has examined how energy policy stakeholders view the opportunities and challenges of creating smart grids and decision making within Regional Transmission Organizations, which manage the transmission planning, electricity markets and grid operations over 70 percent of North America. Her research has also examined how stakeholders in different U.S. states view emerging energy technologies like wind power and carbon-capture and sequestration and the electric power transmission system. Her recent books include *Energy Law and Policy* (West Academic Publishing) (with Davies, Klass, Tomain and Osofsky) and *Smart Grid (R)evolution: Electric Power Struggles* (Cambridge Press) (with Stephens and Peterson). Wilson's research group is working on two NSF supported grants on media and stakeholder perceptions of Smart Grid technologies and on decision making in Regional Transmission Organizations.

Wilson was recently awarded a 2015 Andrew Carnegie Fellowship and was selected as a 2014-5 CIC Academic Leadership Fellow. She was chosen as a Leopold Leadership Fellow in 2011. She spent the 2009-2010 academic year as a visiting professor at Tsinghua University, in Beijing, supported by a McKnight Land-Grant Professorship. Prior to joining the University of Minnesota she worked with the U.S. Environmental Protection Agency and before that Wilson worked in Belgium, Burundi and Tanzania. She holds a doctorate in Engineering and Public Policy from Carnegie Mellon University.

Series of IonE Talks- [Frontiers on the Environment: Big Questions](#)

Dr. Wilson's talk: [Can energy use data reduce electricity costs and environmental impacts?](#)
(December 9, 2015)

Overview: As state and local governments and electricity users attempt to improve the efficiency of their buildings, reduce greenhouse gas emissions and realize the promises of improved demand-side management of energy resources, the need for electricity and other energy-related data becomes ever more pressing. Yet current law allows companies to keep a significant amount of energy use data confidential. This talk draws lessons from the more sophisticated legal frameworks governing health care, education and environmental emissions data... [Read more and view video.](#)

Rick Carter, *FAIA, LEED Fellow, Commercial Focus Leader, Senior Vice President, LHB, Inc.*

Rick co-founded LHB's Green Team in 1992, a multi-discipline team dedicated to incorporating high performance into all projects by educating staff and researching sustainable design techniques; that effort has grown over the last two decades into a firm-wide emphasis on sustainability and high performance. Rick helped to develop LHB's Performance Metrics™ system that determines actual returns on investment for clients interested in sustainable design.

In 2011, Rick was part of the inaugural class of LEED Fellows of the Green Building Certification Institute (GBCI). He is a current member and past-president of the U.S. Green Building Council (USGBC) MN Chapter and on the national level, Rick has served on the LEED for Homes technical advisory group. In addition, Rick helped develop the Hennepin County/Minnesota Sustainable Design Guidelines and currently manages the Buildings, Benchmarks and Beyond (B3) Project including execution of sustainable guidelines for the State of Minnesota. Rick is an adjunct faculty member and teaches a graduate-level sustainable design course at the University of Minnesota's College of Design in the Master of Science in Sustainable Design Program. Rick was a member of the Minnesota Climate Change Advisory Group and a co-chair for the Minneapolis-St. Paul Mayor's Green Manufacturing Initiative.

Lissa Pawlisch, *Director, Clean Energy Resource Teams (CERTs), University of Minnesota*

Melissa Pawlisch is the Clean Energy Resource Teams (CERTs) Director for the University of Minnesota's Regional Sustainable Development Partnerships and Extension. Melissa has spent over fifteen years working on energy-related issues. Prior to coming to the University she spent several years working as an environmental consultant with a focus on environmental investigations at large-scale power plant facilities.

In 2002, she began work with community organizations looking for alternatives to centralized power production. For the past eleven years Melissa has staffed five of the greater Minnesota CERTs regions and worked to stimulate clean energy project development by connecting team members with the resources and technical assistance they need to implement community energy projects. She has a Master's degree in Science, Technology and Environmental Policy.