

Accelerate Energy Productivity 2030 St. Paul: Growing U.S. Industrial Competitiveness through Smart Manufacturing Processes

On July 16, 2015, the U.S. Department of Energy (DOE), and Council on Competitiveness (Council) joined the Alliance to Save Energy (Alliance) in co-hosting their third and final roundtable in St. Paul, Minnesota focused on the manufacturing sector and growing industrial competitiveness through increased energy productivity as part of the [Accelerate Energy Productivity 2030 initiative](#). The initiative, officially [launched](#) by Secretary of Energy Ernest Moniz in September 2014, seeks to build momentum and support for energy productivity by catalyzing action in the public and private sectors through a series of dialogues aimed at co-creating a roadmap for doubling U.S. energy productivity by 2030.

Day 1 - Executive Roundtable Dialogue Overview

On the first day, 20 key private and public sector leaders convened for a private, moderated roundtable discussion on advanced manufacturing. The sessions focused on the role of advanced manufacturing in driving energy productivity, what energy productivity means to the participant's respective organizations, and challenges, opportunities, and strategies to drive energy productivity through advanced manufacturing processes.

Dr. Gayle Schueller, Vice President of Global Sustainability at 3M was joined by Kateri Callahan, President of the Alliance to Save Energy, Bill Bates, Chief of Staff and Executive Vice President of the Council on Competitiveness, as well as senior Department of Energy leaders – Assistant Secretary Dave Danielson from the Office of Energy Efficiency and Renewable Energy, and Dr. Jonathan Pershing from the Office of Energy Policy and Systems Analysis - in leading the day's discussion.

Day 2 - A State and Local Dialogue Overview

More than 80 attendees gathered at the 3M Innovation Center in St. Paul for the event sponsored by Alliance Associate Members [Lockheed Martin](#) and [Ingersoll Rand](#), and co-hosted by [3M](#) and the [Midwest Energy Efficiency Alliance \(MEEA\)](#). The agenda for the dialogue was primarily populated with public and private sector energy experts from the region with the goal of discussing challenges and opportunities associated with advancing energy efficiency and energy productivity in the manufacturing sector.

Speakers included representatives from the 3M, DOE, Ingersoll Rand, and the Institute for Industrial Productivity, Lockheed Martin, Nalco, American Water, the Minnesota Department of Commerce, the Office of Senator Al Franken (D-MN), the Minnesota State Senate, the Center for Energy and Environment, MEEA, the Council on Competitiveness and the Alliance to Save Energy.

Speakers from all stakeholder groups including representatives from state and local government, academic institutions, businesses, utilities, advocacy organizations, and manufacturers all touched on the challenges and opportunities facing their particular sectors and on what they are doing to drive energy productivity within their respective organization, and the areas they serve. Equally as important, the dialogue benefitted from a robust and engaged audience of an equally diverse background.

Dr. Gayle Schueller, VP of Global Sustainability at 3M, kicked things off with some background on 3M's role in the manufacturing space and their history in the region. The first panel, moderated by Mark Johnson, Director of the Advanced Manufacturing Office at DOE, focused on the innovative advanced and additive manufacturing technologies that have allowed private companies to create more goods

using less energy. Representatives from Ingersoll Rand, the Institute for Industrial Productivity, and Lockheed Martin described the importance of driving continued improvements in advanced manufacturing and increasing energy productivity in manufacturing processes in order to keep the U.S. manufacturing sector prosperous and competitive with other nations.

The second panel focused on the ever-increasing importance of the energy-water nexus and the need to look at energy and water as inextricably linked. Dr. Jonathan Pershing, Principal Deputy Director of the Office of Energy Policy and Systems Analysis at DOE moderated a discussion between a representative from Nalco, a water-heavy manufacturer of chemicals and other products, and an American Water representative, the nation's largest water utility. Both spoke of the importance of water conservation, increased water efficiency, and the dual benefits for increased energy savings and energy productivity.

The final panel focused on public perspectives from the region, and featured a current and former member of the state legislature, a representative from the State Energy Office of Minnesota, and the president of a regional energy and environment nonprofit. This panel discussed the state's long history of bipartisan support for energy efficiency and renewable energy and the need for continued efforts to improve state and local policies that promote these sources.

The event featured strong audience participation from a high-level group of energy stakeholders, with a particularly large presence from the public sector in the state and region. The Accelerate Energy Productivity 2030 goal of doubling U.S. energy productivity by 2030 resonated with the panelists and audience alike as both engaged in a dialogue regarding the specific approaches taken and challenges encountered in advancing energy productivity at the local, state, and regional levels.

Attendee Breakdown

As with previous events, the State & Local dialogue in St. Paul brought together a diverse range of stakeholders from around Minnesota and the upper-Midwest. In all, 125 people registered for the event and 90 people attended. Registrants included 24 advocacy group representatives; 45 business representatives; 41 government officials or staff members; 6 utility representatives; and 9 research or academic institution representatives. Organizations represented included Indiana NAACP, Ever-Green Energy, Center for Energy and Environment, Great Plains Institute, Minnesota Department of Commerce, City of Maplewood, Metropolitan Council, Benton County, Neighborhood Energy Connection, Evolve technologies, Ever-Green Energy, Frederick County, NALCO, Minnesota Power, Cook County Minnesota, City of St. Paul, City of Ruchfield, City of Vadnais Heights, Lockheed Martin, 3M Company, Institute for Industrial Productivity, Environmental Quality Board, State of Minnesota, Xcel Energy, Humphrey School of Public Affairs, Process Technology LLC, Oneida County Wisconsin, Franklin Energy, Home Scan, University of Minnesota, Earthtech Energy, Ingersoll Rand, City of Northfield Minnesota, Fresh Energy, Fulton County Board, Minnesota GreenCorps, Minnesota Interfaith Power & Light, Midwest Energy Efficiency Alliance, CenterPoint Energy, American Water, City of White Bear Lake, Minnesota Trade Office, Metropolitan Airports Commission, Office of Senator Al Franken, Office of Senator Klobuchar, Majestic Custom Electric, Smiths Medical, Delano Municipal Utilities, City of Highland Park, and Eaton.

The initiative partners look forward to fostering lasting relationships with the diverse set of participants who participated in St. Paul to ensure they remain engaged and proactive in their efforts to drive energy productivity within their spheres of influence.