



U.S. DEPARTMENT OF ENERGY



**AUGUST 21-23
2018**

HUNTINGTON
CONVENTION CENTER
CLEVELAND, OH

BETTER PLANTS-INDUSTRIAL TRACK AGENDA

TIME	EVENT	LOCATION
TUESDAY, AUGUST 21, 2018		
7:00 AM – 6:00 PM	Registration	Concourse Level
10:00 AM – 6:00 PM	Trade Show	Exhibit Level
WEDNESDAY, AUGUST 22, 2018		
8:00 AM – 6:00 PM	Registration	Concourse Level
8:00 – 10:30 AM	<p>Facility Tour: ArcelorMittal Cleveland</p> <p><i>The ArcelorMittal Cleveland facility covers more than 950 acres and the plant's buildings total 7 million square feet. The plant operates 2 blast furnaces which feed 2 steelmaking facilities. Products made at this location are hot-rolled, cold-rolled, and hot-dipped galvanized sheet and semi-finished (slabs). Markets served by this plant include automotive, converters, construction, and distribution. The tour will focus on the finishing operations as well as cross-cutting systems in the mill such as compressed air, fan, and pumping.</i></p> <p>30 attendees max; RSVP by emailing Robert.Lung@ee.doe.gov.</p>	3186 Independence Road, Cleveland, OH 44105

8:00 – 10:30 AM	<p>Facility Tour: Ford Motor Company – Cleveland Engine Plant</p> <p><i>Ford built the Cleveland Engine plant on a 365-acre site in Brook Park in 1951. It was the center of production for Ford's first overhead valve engine, the Lincoln V8. Engines from this plant have been used in cars from the Edsel to the Mustang, and in trucks like the F-100 and the F-150. The plant has produced over 34 million engines in its lifetime. After a \$350 million investment in 2009, Ford overhauled the plant. The 1.6 million-square-foot plant employs 1,570 people building the Eco Boost and Duratech engines. The tour will focus on the engine machining, assembly lines, and compressed air systems serving them.</i></p> <p>20 attendees max; RSVP by emailing Robert.Lung@ee.doe.gov.</p>	5600 Henry Ford Blvd, Brook Park, OH 44142
8:00 – 11:00 AM	<p>Facility Tour: PPG Automotive Coatings Plant</p> <p><i>PPG's Cleveland plant is the company's largest manufacturing and technical center for automotive coatings in North America. The plant has more than 500 employees and is situated on a 42-acre site in the city's West Park area. PPG purchased the facility in 1947 from Forbes Varnish Company, which began operations there in 1907. The plant produces a full spectrum of coatings products for automotive original equipment manufacturers, including electrocoat, primers, basecoat, clearcoat, waterborne, and solvent-based products. The tour will focus on the automotive OEM coatings lines and the systems that support production.</i></p> <p>20 attendees max; RSVP by emailing Robert.Lung@ee.doe.gov.</p>	3800 W. 143 rd Street, Cleveland, OH 44111
9:00 AM – 6:00 PM	Trade Show	Exhibit Level
9:00 AM – 12:00 PM	<p>CHP TAPs Talk</p> <p><i>The CHP TAPs Talks – A meet and greet forum that will provide the audience insight and updates on current CHP TAP project end user engagements, stakeholder engagements, and technical services across the United States. Join us in a lively discussion on what Combined Heat and Power (CHP) means to you. Resiliency? Cost Savings? Environmental Savings? Energy Security?</i></p> <ul style="list-style-type: none"> Moderator: Dr. Tarla Toomer, U.S. Department of Energy 	Room 14
9:00 – 11:30 AM	<p>Using 50001 Ready to Help Meet Your Energy Goals</p> <p><i>50001 Ready is a no cost, self-guided approach to tracking and managing energy use and improving energy efficiency in your facility, campus, or building. This workshop will discuss the benefits of an ISO 50001 standard energy management system, which 50001 Ready is built upon. Additionally, it will introduce the 50001 Ready Navigator tool and give hands-on instruction to kick-start your facility's adoption of 50001 Ready.</i></p> <ul style="list-style-type: none"> Moderator: Pete Langlois, U.S. Department of Energy 	Room 24

12:00 – 2:00 PM	Lunch and Keynote Address <ul style="list-style-type: none"> • Dr. Kathleen Hogan, Deputy Assistant Secretary for Energy Efficiency, U.S. Department of Energy • Asim Haque, Chairman, Ohio Public Utilities Commission • Frank G. Jackson, Mayor, Cleveland, OH • Bill Peacock, Chief Operating Officer, Cleveland Clinic Foundation • John Selldorf, Chief Executive Officer and President, Legrand 	Exhibit Hall A
3:30 – 4:00 PM	Ask-an-Expert <ul style="list-style-type: none"> • Building Envelope – Melissa Voss Lapsa (Oak Ridge National Laboratory) • Water Efficiency & 50001 Ready – Prakash Rao (Lawrence Berkeley National Laboratory) • Steam & Energy Assessments – Tom Wenning (Oak Ridge National Laboratory) 	Ask-an-Expert Lounge, Exhibit Hall at the entry to the Trade Show
2:00 – 5:30 PM	Better Plants All-Partner Gathering: Recognition, Discussion, and Networking <p><i>This year's All Partner Gathering is an important opportunity for Better Plants participants to network, check in, and provide feedback to the program. During the event, attendees will see their peers recognized for Better Project/Practice awards and program goal achievement, as well as 50001 Ready and Superior Energy Performance. In addition, partners will hear Advanced Manufacturing Office-leadership's vision for Better Plants going forward and the latest in technology innovation.</i></p> <ul style="list-style-type: none"> • Better Plants Update – Eli Levine, U.S. Department of Energy • Recognition Ceremony – Rob Ivester, U.S. Department of Energy <ul style="list-style-type: none"> ◦ Better Plants Goal Achievers ◦ Better Practice and Better Project Award Winners ◦ 50001 Ready-Facilities ◦ Superior Energy Performance-Certified Facilities • Break • Advanced Manufacturing Office Update – Rob Ivester, U.S. Department of Energy • Roundtable Discussion • Small Group Breakouts 	Room 10
6:00 – 7:30 PM	Energy Exchange and Better Buildings Summit Reception	

THURSDAY, AUGUST 23, 2018

Better Plants manufacturing sessions are highlighted in blue

8:30 – 10:00 AM	<p>Shooting for the Moon: Planning and Execution Towards a Big Energy Goal</p> <p><i>Committing to a stretch goal can seem daunting. Come learn how Better Plants partners met the 25% goal – both the planning and execution! This session will focus on how to prioritize optimization efforts from best practices to system retrofits of common industrial systems like steam, process heating, pumping, compressed air, fans, motors, and refrigeration.</i></p> <ul style="list-style-type: none"> • Moderator: Eli Levine (U.S. Department of Energy) • Philip Kauneckas (Intertape Polymer Group) • Brett Rasmussen (Nissan North America) • Ed Willhite (Schneider Electric) 	Room 9
8:30 – 10:00 AM	<p>Get Sorted: Efficiency in Distribution and Logistics</p> <p><i>Logistics and distribution-type properties are historically challenging for building owners and landlords when it comes to implementing energy efficiency strategies. These Better Buildings partners have unlocked the keys to success and will share strategies in accessing energy data, benchmarking, engaging tenants, and achieving energy efficiency.</i></p> <ul style="list-style-type: none"> • Moderator: Cindy Zhu (U.S. Department of Energy) • Michelle German (LBA Realty) • Bert Hill (Volvo Group North America) • Kirk Myers (REI) 	Room 19
9:00 AM – 2:00 PM	Trade Show	Exhibit Level
10:00 – 10:30 AM	<p>Ask-an-Expert</p> <ul style="list-style-type: none"> • Building Envelope – Simon Pallin (Oak Ridge National Laboratory) 	Ask-an-Expert Lounge, Exhibit Hall at the entry to the Trade Show
10:30 AM – 12:00 PM	<p>Not Just for Energy: Repurposing an Energy Management System for Water Efficiency</p> <p><i>The benefits of an effective corporate energy management system can really “trickle down.” This session will address how to use lessons learned from a corporate energy management program and apply them to water efficiency.</i></p> <ul style="list-style-type: none"> • Moderator: Bruce Lung (U.S. Department of Energy) • Muneer Chowdhury (Bridgestone Americas, Inc.) • Sharon Nolan (Eastman Chemical Company) • Alan Resnik (Cummins, Inc.) 	Room 9

10:30 AM – 12:00 PM	<p>Sustainable Water/Wastewater Infrastructure: “Selling” Your Facility Upgrades</p> <p><i>Explore the best practices for “selling” water/wastewater infrastructure improvements and facility upgrade plans, including messaging, making the business case, forming partnerships, and other strategies.</i></p> <ul style="list-style-type: none"> • Moderator: Sapna Gheewala (U.S. Department of Energy) • Bruce Bartel (NEW Water) • Robert Munro (Avon Lake Regional Water) • Jenita Warner (Northeast Ohio Regional Sewer District) 	Room 13
12:00 – 2:00 PM	<p>Lunch and Better Buildings Challenge Partner Recognition and SWAP 4 Panel</p> <p><i>Better Buildings recognizes Challenge partners and allies for their exemplary leadership in meeting energy, water, or financing goals. Join us for a behind the scenes look at the making of SWAP 4 and meet the energy efficiency teams who made it happen.</i></p>	Exhibit Hall A
2:00 – 3:30 PM	<p>The Future is Now: Emerging Manufacturing Technologies</p> <p><i>Innovation abounds! This session will discuss emerging energy technologies, particularly for industrial applications. Presenters will review the latest tech from Better Plants’ Technology Days at the National Labs and techniques for effective field validation.</i></p> <ul style="list-style-type: none"> • Moderator: Tom Wenning (Oak Ridge National Laboratory) • Clay Nesler (Johnson Controls) • Logan Olds (Victor Valley Wastewater Reclamation Authority) • Steve Schultz (3M) 	Room 9
2:00 – 3:30 PM	<p>Learning What Works: Energy Data Management</p> <p><i>Come learn from leaders in the public, industrial, and commercial sectors on how to effectively manage your energy data and institutionalize data-driven decision-making in your organization so you can save money and avoid wasting energy. As a bonus, get a preview of DOE’s new Energy Data Management Guide a seven step framework for establishing a robust and sustainable energy data management program in the public sector.</i></p> <ul style="list-style-type: none"> • Moderator: Adam Guzzo (U.S. Department of Energy) • Mark Campbell (MGM Resorts International) • Adam Jacobs (Boston – MA) • David Reid (Celanese Corporation) 	Room 19

2:00 – 3:30 PM	<p>State of the Submeter: Considerations for Metering Energy Use</p> <p><i>How can you get your tenant spaces to measure up? Submetering energy consumption at the tenant level is an important action to take to increase tenant space energy efficiency. Lawrence Berkeley National Lab developed submetering guidance as a resource for the Green Lease Leaders program. Learn more about it, as well as efforts taken by retail, public sector, and commercial real estate organizations to submeter their spaces and put the information to use achieving energy efficiency goals.</i></p> <ul style="list-style-type: none"> • Moderator: Paul Mathew (Lawrence Berkeley National Laboratory) • Chris Cayten (CodeGreen) • Jason McIntyre (USAA Real Estate Company) 	Room 11
3:30 – 4:00 PM	<p>Ask-an-Expert</p> <ul style="list-style-type: none"> • Process Heating & Waste Recovery – Sachin Nimbalkar (Oak Ridge National Laboratory) 	Ask-an-Expert Lounge, Exhibit Hall at the entry to the Trade Show
4:00 – 5:30 PM	<p>Preparing the Next Generation: Transition Planning for Energy Managers</p> <p><i>Do not let an untimely departure doom your energy efficiency progress! This session will examine how partners establish a successful transition plan for outgoing energy managers, including making the business case to senior management about keeping an energy manager – or even having one in the first place.</i></p> <ul style="list-style-type: none"> • Moderator: Walt Brockway (Oak Ridge National Laboratory) • Leslie Marshall (General Mills) • Matthew Pekar [United Technologies Corporation (UTC)] • Ryan Spies (Saint-Gobain North America) 	Room 9
4:00 – 5:30 PM	<p>Metrics and Big Data</p> <p><i>This session will focus on the intersection between data analysis and sub-metering technologies, particularly as they can facilitate field validation of new technologies, best practices and energy efficiency optimization projects.</i></p> <ul style="list-style-type: none"> • Moderator: Bruce Lung (U.S. Department of Energy) • Altamese Roberts-Tompkins (Toyota) • Steve Skarda (P&G) • Ed Willhite (Schneider Electric) 	Room 25C

4:00 – 5:30 PM	<p>Water Reuse: Successful Outcomes and Innovative Strategies</p> <p><i>This cross-sector panel features leaders who reexamined operations and established innovative water filtration and reuse strategies in cooling towers, manufacturing, and medical processes.</i></p> <ul style="list-style-type: none">• Moderator: Nathaniel Allen (U.S. Department of Energy)• Wendell Brase (University of California – Irvine)• Jon Holland (Nissan North America)	Room 13
5:45 – 7:45 PM	<p>Better Plants Happy Hour and Networking Dinner</p> <p><i>Join other industrial partners, experts, and stakeholders for a casual gathering. Pay your own way; we'll have a private room with both standing and seating room a ten-minute walk from the convention center.</i></p>	Hodge's 668 Euclid Avenue, Cleveland, OH 44114