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Better Plants Newsletter - September 2019

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NEWSLETTI

September 2019

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- The 2019 Better Plants Program Update is Here
- Technology Field Validation Voucher Pilot: We Need Your Thoughts

It was Great Seeing You at AEE World Last Week!

It was great seeing many of our partners at [AEE World](#) in Washington, DC, last week, September 25-27. **Congratulations again to CalPortland Company for achieving their energy goal**; Bill Jerald from CalPortland was recognized during the conference's partner breakfast (see photo at right, Bill is with DOE's Eli Levine).

Other highlights of the AEE World conference include:

- Fourteen tracks, 56 sessions, and over 260 individual speakers on energy
- A corresponding **Energy Expo**; Better Plants was at Booth 623
- A **Better Plants partner breakfast**, where partners could network and learn about new program resources, and a couple **optional networking outings** as well
- Several awards for Better Plants partners and team members:
 - An **Energy Manager of the Year award for Sharon Nolen**, Global Natural Resources Director at Eastman Chemical
 - An **International Young Energy Professional of the Year award for Tom Wenning** of Oak Ridge National Laboratory
 - A **Corporate Energy Management Award for 3M**, a Better Plants Challenge partner
 - **Energy Project of the Year: National for Nissan North America**, a Better Plants Challenge partner; the winning project was the subject of a [showcase project](#)



There was also a **Better Plants Track** with the following four sessions:

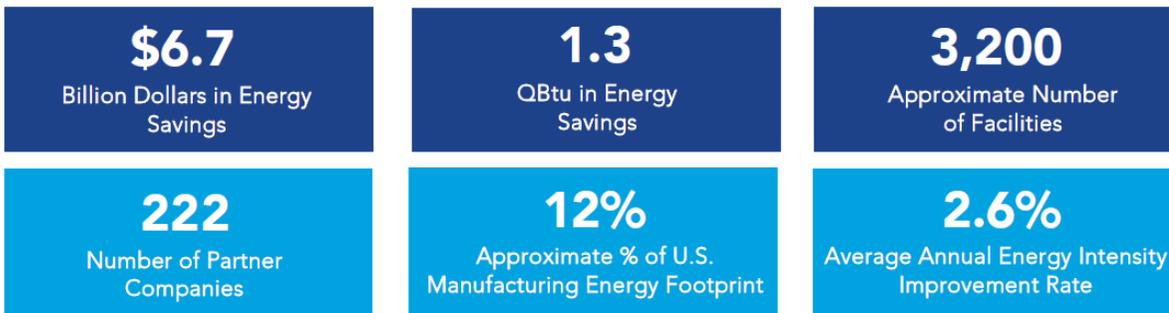
- Waste Not, Want Not: Waste Reduction and the Circular Economy
- Dynamic Energy Management: Real World Strategies for Your Plants
- Stop, Collaborate and Listen: Innovation in Energy and Water Efficiency
- Friday Morning with the DOE: Tools and Resources to Help Your Business

All the slides from the presentations will be made available online shortly.

The 2019 Better Plants Progress Update is Here

DOE recently released the 2019 Better Plants Progress Update, our program year-in-review. We're proud to announce that 60 energy goals have now been met by Better Plants partners, including **Bentley Mills, Bucks County Water and Sewer Authority, CalPortland Company, General Mills, J.R. Simplot, Navistar** and **TE Connectivity** this year.

Please see our high-level collective statistics to date below; congratulations to all partners for your energy efficiency leadership:



- Fall 2019 In-Plant Training Calendar
- Looking Forward to a Busy October
- Welcome to New Program Partners
- Bristol-Myers Squibb Joins the Better Plants Challenge
- ArcelorMittal Conducts Pilot Water Efficiency In-Plant Training
- Manufacturing Day is Coming! Get Involved
- Bentley Mills Shares Implementation Model on Efficiency-As-A-Service Final
- Volvo Group North America Showcase Project on a Crankshaft Grinders Upgrade

[VISIT THE BETTER PLANTS WEBSITE](#)

UPCOMING EVENTS

- October 1-2: [IEA Conference](#) (San Diego, CA)
- October 7-10: [AIST Conference](#) (Oak Ridge, TN)
- October 14-16: [Compressor Best Practices Conference](#) (Nashville, TN)
- October 15-18: [NAEM Conference](#) (Toronto, CA)
- October 18: [Arkansas Environmental Federation](#) (Fayetteville, AR)
- October 22: [Iowa Industrial Energy Group](#) (Johnston, IA)

The Update also lists this year's Better Practice and Better Project award winners, recaps events like Technology Days, and highlights new tools and resources like a Water Efficiency In-Plant Training, the Better Buildings Financing Navigator, and a Waste Reduction Pilot. **You can find the electronic copy [here](#).**

Technology Field Validation Voucher Pilot: We Need Your Thoughts

DOE is exploring a **technology field validation pilot** and Better Plants partners are welcome to participate. This initiative aims to test and evaluate new technologies so that partners can better bring new technologies and innovation to their plants. In each project, an expert from a DOE National Lab would participate in on-site testing, analysis of energy performance, and drafting of a field validation report.

While we're excited about the potential of this new pilot, we want to be thoughtful in its design. We want to hear from you. Several partners attended a peer review workshop to help shape the nascent pilot in Washington, D.C., on September 24. **Please email us at BetterPlants@ee.doe.gov if you have additional thoughts!** We're happy to arrange a call or meeting to collect your feedback, so please reach out.

Fall 2019 In-Plant Training Calendar

Many of the [In-Plant Trainings](#) (INPLTs) awarded this Spring have been scheduled for later this year. A select number will be open to outside participation from other Better Plants partners and prospects. If you are interested in attending an INPLT, please contact your Technical Account Manager. The application period for the next round will open this Fall.

SHARES BETTER PLANTS , EP100 EXPERIENCES

Better Plants Challenge partner **Schneider Electric** headlined a webinar on September 10 on their experience in both Better Plants and The Climate Group's [EP100](#), a global initiative in partnership with the Alliance to Save Energy that brings together companies committed to improving energy productivity and doing more with less. You can find the webinar recording [here](#).



INSIDE THE BOILER ROOM PODCAST FEATURES TOM WENNING

Better Plants Technical Account Manager Tom Wenning was recently interviewed by the American Boiler Manufacturers Association (ABMA) Episode 13 of their podcast, *Inside Boiler Room*. Tom chatted about a Better Plants, the [MEASUR tool suite](#) and the DOE's [National Labs](#). Listen to the podcast [here](#).



Host Plant Name	Location	Energy System Type	Dates
Charter Steel Cleveland Plant	Cuyahoga Heights, OH	Treasure Hunt Exchange	December 10, 11, 12
General Motors Fort Wayne Assembly	Roanoke, IN	Treasure Hunt Exchange	November 17-19
General Aluminum (GAMCO) Wapakoneta Plant	Wapakoneta, OH	Treasure Hunt Exchange	September 22-24
ArcelorMittal Warren Coke Plant	Warren, OH	Treasure Hunt Exchange	August 25-26
Nissan North America, Inc.	Decherd, TN	Compressed Air	TBD
Volvo Group North American New River Valley	Dublin, VA	Multi-System (Compressed Air, Fans, Process Heating)	October 15-17
Waupaca Foundry	Waupaca, WI	Compressed Air	TBD
Armstrong Flooring, Inc. Lancaster Plant	Lancaster, PA	Treasure Hunt Exchange	TBD
Ingevity Corporate	Wickliffe, KY	Multi-System (Fans & Pumps)	TBD
Owens Corning	Kansas City, KS	Pumps	September 17-19
Graham Packaging Company	Tolleson, AZ & Muskogee, OK	Treasure Hunt Exchange	Nov 5-7, Tolleson, AZ
Narragansett Bay Commission	Providence, RI	Water/Wastewater	November 5-7 or 12-14, 2019
Pepsico (Frito-Lay) Kern Manufacturing	Bakersfield, CA	Compressed Air	November 5-7, 2019
Celanese	Narrows, VA	Compressed Air	TBD
AztraZenica, Medimmune	Gaithersburg, MD	Treasure Hunt Exchange	Sep 29th to Oct 1st

Looking Forward to a Busy October

Better Plants will be represented at a variety of industrial conferences around the country in October and sharing your stories and achievements. Let us know if you'll be present at any of the following events so we can connect:

- October 1-2: [IEA Conference](#) (San Diego, CA)
- October 7-10: [AIST Conference](#) (Oak Ridge, TN)
- October 14-16: [Compressed Air Best Practices Conference](#) (Nashville, TN)
- October 15-18: [NAEM Conference](#) (Toronto, CA)
- October 18: [Arkansas Environmental Federation](#) (Hot Springs, AR)
- October 22: [Iowa Industrial Energy Group](#) (Johnston, IA)

MEET THE PARTNERS

Welcome to New Program Partners

Alumalloy Metalcastings, **Bendix Commercial Vehicle Systems**, **East Penn Manufacturing Co.**, and **MEKRA Lang** recently joined the Better Plants program. These four energy efficiency leaders have set ambitious energy intensity reduction goals for their U.S. manufacturing operations. Alumalloy, Bendix, and MEKRA Lang are joining as part of **Volvo Group North America's** supply chain initiative cohort.



Bristol-Myers Squibb Joins the Better Plants Challenge

Bristol-Myers Squibb joined the Better Plants Challenge in July, after first joining the program in December 2016. Since joining the program, Bristol-Myers Squibb leveraged some of the technical assistance offered by Better Plants. Working with their TAM, they were able to generate a robust model of their plants' energy consumption, which they could then use to benchmark against improvements in energy intensity. They also visited Oak Ridge National Lab to learn about innovative technologies and materials that could help improve energy consumption and productivity. Recently, they joined the waste reduction pilot, where they hope to learn from their peers and leverage DOE assistance and innovation.



In addition to setting an energy efficiency goal, Challenge partners commit to publicly sharing energy performance data and successful case studies in the form of showcase projects and implementation models, which are posted online.

ArcelorMittal Conducts Pilot Water Efficiency In-Plant Training

ArcelorMittal hosted a pilot water efficiency-focused [In-Plant Training](#) (INPLT) at its Cleveland, Ohio, facility at the end of August. This new training offering provides attendees with the following benefits:

Participants are able to create a water balance for their facility to understand where water is coming from, where it's going, and how it's traveling throughout the facility.

Participants learn how to calculate the true cost of water use, taking into account what is paid to local municipalities, as well as energy, heating, and treating processes.

The training teaches participants how to audit their facility to look for water savings opportunities and reduce water consumption in a facility.

Training on the DOE's [Plant Water Profiler](#), an Excel-based tool.



RESOURCE SPOTLIGHT

Manufacturing Day is Coming: Get Involved

Manufacturing Day is on Friday, October 4! The annual event helps show the reality of modern manufacturing careers by encouraging thousands of companies and educational institutions around the nation to open their doors to students, parents, teachers and community leaders. DOE has created a helpful toolkit detailing ways partners like you can get involved in the celebration, including:

- Hosting an event
- Sponsoring an event
- Endorsing Manufacturing Day
- Developing content (blogs, videos, photos, etc.)
- Promoting Manufacturing Day

Explore the attached pdf to learn more.



Bentley Mills Shares Implementation Model on Efficiency-As-A-Service Financing

Bentley Mills, a Better Plants Challenge partner, has published an implementation model online that details how they used a Efficiency-As-A-Service (EaaS) contract to finance a facility-wide LED lighting upgrade and high efficiency water fixtures. The EaaS model was used to fund projects with no upfront capital outlay, which transfers liability of the system performance to the service provider. The easy to replicate case study is based on a 2019 Better Practice award. Explore the implementation model [here](#).

Volvo Group North America Posts Showcase Project on a Crankshaft Grinders Upgrade

Better Plants Challenge partner **Volvo Group North America** has shared a showcase project online that highlights a crankshaft grinders upgrade at their Hagerstown, Maryland, facility. The facility replaced 13 existing grinding machines that had been in place since 1961 with 3 new machines. The new machines are not only more energy efficient, but can process more crankshafts per day than the original units. The new grinders provide a 56% reduction in electricity consumption, 35% increase in production rate, 53% reduction in water consumption and 60% reduction in coolant chemicals. The project was actually the focus of a [facility tour](#) offered in conjunction with the Better Buildings, Better Plants Summit in July 2019. Explore the showcase project [here](#).

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- [Manufacturing Day Tool Kit.pdf](#)

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