

Better Plants Program

The U.S. Department of Energy's (DOE's) Better Buildings, Better Plants Program is a voluntary partnership initiative to drive significant energy efficiency improvement across energy intensive industrial companies and organizations. Over 250 leading manufacturers and public water and wastewater treatment utilities are partnering with DOE through Better Plants to improve competitiveness, drive energy efficiency, and save money.

Partner Benefits

Manufacturers and public water utilities in the Better Plants Program set energy saving goals, usually 25% over 10 years. They receive:

- ▶ **National Recognition** to highlight their leadership including a feature on the Department's website and invitations to special events. Partner success stories are also highlighted in DOE newsletters and other publications.
- ▶ **Technical Support** through a dedicated Technical Account Manager (TAM) who helps partners establish energy baselines, develop energy management plans, identify energy-saving and energy-recovery opportunities, and track energy performance metrics. TAMs also guide partners in the use of DOE's energy performance tools and connect them to additional resources at the federal, state, or local level.
- ▶ **In-Plant Trainings** are unique 2- to 4-day events, led by experts in energy intensive processes who train plant staff to establish energy management systems, conduct plant assessments, analyze pump and aeration processes, use DOE tools, and implement cost-effective projects. Better Plants Partners can apply to host or participate in these special training events.
- ▶ **Energy Saving Resources** are available to Better Plants Partners on a facilitated basis. These resources include free energy audits for qualifying facilities, free combined heat and power (CHP) screenings, energy analysis software tools, and peer-to-peer networking opportunities.
- ▶ **Additional Opportunities** are open to partners to deepen and expand their commitment to energy efficiency. Partners can take advantage of Technology Days at National Laboratories to learn about and leverage advanced R&D or access a variety of energy measurement tools through the Diagnostic Equipment Program. Forty-three organizations (underlined on page 2) have also stepped up to the Better Plants Challenge, and are demonstrating enhanced transparency around their energy performance data and best practices. Additionally, DOE is working with a select group of partners on separate initiatives targeting supply chain energy efficiency and water savings.

Better Plants Snapshot

Accomplishments	Total
Number of Partner Companies	250+
Approximate Number of Plants	3,500
Percent of U.S. Manufacturing Energy Footprint	13.8%
Reported Savings through 2018	
Cumulative Energy Savings (QBtu)	1.9
Cumulative Cost Savings (Billions)	\$9.3
Average Annual Energy Intensity Improvement Rate	2%

New Program – Better Climate Challenge

DOE has announced a new effort challenging organizations to set ambitious GHG emission reduction goals to meet the urgent call to mitigate the impacts of climate change. Through the Better Climate Challenge, organizations can partner with DOE to reduce portfolio-wide GHG emissions (scope 1 & 2) by at least 50% within 10 years. DOE will provide technical assistance, peer exchange, and opportunities to learn and share actionable best practices for carbon reduction.

How to Join the Program

Joining the Better Plants Program is easy. Contact the Better Plants team via e-mail at BetterPlants@ee.doe.gov to receive the voluntary commitment form. Return the form, signed by your CEO or senior executive. From there, DOE will organize a call with your company to kick off the partnership.

Better Plants Partners as of November 2021

- **3M***
- AbbVie Inc.
- Agropur
- Ahlstrom -Munksjo
- **Alcoa Corporation**
- **Alexandria Renew Enterprises**
- Alumalloy Metal Casting Company*
- Amcor Rigid Plastics
- American MITSUBA Corp.
- Archer Daniels Midland
- Armstrong Flooring
- Asama Cold Manufacturing
- AstraZeneca*
- AT&T*
- **Autodie, LLC**
- Autoliv, Inc.
- Avon Lake Regional Water
- Ball Corporation
- **BD**
- Bendix
- Commercial Vehicle Systems
- **Bentley Mills***
- Boardman Foods
- Bosch Rexroth Corporation
- BPM Inc.*
- Bradken*
- Bridgestone Americas, Inc.
- **Briggs & Stratton, LLC**
- **Bristol -Meyers Squibb**
- **Bucks County Water and Sewer Authority***
- **C. F. Martin & Company***
- CalPortland Company*
- Campbell Soup Company
- **Cardington Yutaka Technologies***
- Carleton Forge Works
- Cascade Engineering Technologies, Inc.
- **Celanese Corporation***
- Chapco, Inc.
- Charleston Water System
- Charter Steel*
- *Chemours*
- Chippewa Valley Ethanol Company
- Citrus World, Inc.
- City of Fort Wayne –City Utilities
- **City of Grand Rapids Water Resource Recovery Facility**
- City of Phoenix Water Services Department
- City of Roseville, Environmental Utilities Department
- Clearwater Engineering, Inc.
- Cleveland-Cliffs Inc.
- Co-Operative Industries Aerospace and Defense
- **Coca-Cola Consolidated**
- Coilplus, Inc.
- Colgate -Palmolive
- Comau*
- Commercial Metals Company
- Commercial Vehicle Group, Inc.
- Connector Castings, Inc.
- Cooper Standard
- **Cummins Inc. *~**
- Custom Glass Solutions
- Daikin Applied Americas*
- Danaher Corporation
- **Darigold**
- Delta Diablo
- Denison Industries
- **Des Moines Water Works**
- *Deschutes Brewery*
- Detroit Diesel Corp.
- Didion Milling
- Dixline Corporation
- Donsco, Inc.
- The Dow Chemical Company
- DSM North America
- Dura-Line Corporation
- Durable Products
- Durex, Inc.
- E&L Construction Group
- EARTH2O
- **East Penn Manufacturing, Inc.**
- **Eastman Chemical Corporation**
- Eaton Corporation*
- Eck Industries
- **Electrolux**
- **Encina Wastewater Authority***
- EnerSys
- The Estée Lauder Companies
- Flambeau River Papers
- FLEXCO Corporation
- Flowers Foods, Inc.
- FMC Corporation
- **Ford Motor Company***
- GB Manufacturing
- General Aluminum Manufacturing Company
- General Dynamics Ordnance and Tactical Systems Scranton Operation*
- **General Electric**
- **General Mills***
- **General Motors *~**
- General Stamping and Metalworking, Inc.
- Gibraltar Industries
- GKN Aerospace Golden Renewable Energy, LLC
- Goodyear Tire and Rubber Company, U.S. Plants
- Graham Packaging Company
- Graphic Packaging International, LLC*
- Great Lakes Crystal Technology
- **HARBEC***
- Harley-Davidson
- Harrison Steel Castings Co.
- The Harva Company
- Haynes International
- The Hershey Company
- HNI Corporation
- Honda North America
- Huntsman Corporation
- Imerys Performance Minerals
- IAC Group
- **Ingersoll Rand***
- Ingevity*
- Intel
- International Paper
- Intertape Polymer Group Inc.
- Intralox
- Isringhausen
- **Ithaca Area Wastewater Treatment Facility**
- **J.R. Simplot Company***
- JBT Corporation*
- Jedco, Inc.
- Johnson & Johnson*
- **Johnson Controls***
- Johnson Matthey Emission Control Technologies Division
- Kent County Department of Public Works
- Kenworth Truck Company
- Kingspan Insulated Panels, Inc.*
- Krage Manufacturing
- KYB Americas Corporation
- Lafarge-Holcim U.S.
- Land O' Lakes
- *Lea Corporation*
- Leggett & Platt
- **Legrand North America, LLC***
- **Lennox International***
- **Lineage Logistics**
- **Lockheed Martin**
- *Lopez-Dorada Foods*
- Los Angeles Bureau of Sanitation
- **Los Angeles Department of Water & Power**
- Lynam Industries, Inc.
- **L'Oréal USA**
- Magnetic Metals Corp.
- MAHLE Engine Components USA, Inc.
- Manitowoc Grey Iron Foundry
- Mannington Mills
- Marquis Energy, LLC
- Marquis Energy Wisconsin
- Massachusetts Water Resources Authority
- MB Aerospace East Granby
- McCain Foods USA, Inc.
- **McWane, Inc**
- MEKRA Lang North America
- Metal Industries, Inc.*
- Miami-Dade Water and Sewer Department
- Michels Corporation
- Mitsubishi Electric Automotive America
- Mohawk Industries
- Mulgrew Aircraft Components, Inc.
- Narragansett Bay Commission
- Navistar, Inc.*
- ND Paper
- Neenah Foundry
- *Nestlé*
- Newman Technology, Inc.
- **NEW Water (Green Bay Metropolitan Sewerage District)***
- **Nissan North America, Inc.***
- Novati Technologies, Inc.
- Novelis, Inc.
- NSK Americas
- NY DEP –Bureau of Wastewater Treatment
- O'Fallon Casting
- Occidental Chemical Corporation
- OFD Foods, LLC
- OMNOVA Solutions, Inc.
- **Orange Water and Sewer Authority***
- Oshkosh Corporation
- OSRAM SYLVANIA*
- **Owens Corning***
- Ozinga Brothers, Inc.
- Pactiv
- PaperWorks Industries
- Parker Hannifin
- Patrick Cudahy, LLC*
- Patriot Foundry & Castings*
- PepsiCo
- Perrone Aerospace
- **Pharmavite**
- Philadelphia Water Department
- Pima County Wastewater Reclamation Department
- Plastics Engineering Company (Plenco)
- PPC Broadband, Inc.
- PPG Industries
- Procter & Gamble*
- Quad/Graphics, Inc.
- Raytheon Technologies
- Research Electro-Optics
- Richmond Industries
- Ring Container Technologies
- Roche Diagnostic*
- Rowley Spring and Stamping
- **Saint-Gobain Corporation**
- Saputo Dairy Foods USA, LLC
- Savage Precision Fabrication
- **Schneider Electric***
- **Sears Seating**
- Selmet, Inc.
- Shape Corporation
- Shaw Industries Group, Inc.*
- Sheboygan Regional Wastewater Treatment Facility
- The Sherwin-Williams Company*
- Silgan Closures
- Silgan Containers
- Silgan Plastic Food Containers
- SL Corporation
- **Solberg Manufacturing, Inc.**
- Sony DADC
- Southwest Cheese
- Spirax Sarco, Inc.
- St. Petersburg Water Resources Department
- Stanley Spring & Stamping Corporation
- Steelcase Inc.*
- Stellantis
- Sugar Creek Packing Company
- SunOpta, Inc.
- Tarkett USA, Inc.
- **TE Connectivity***
- Tenaris
- Texas Instruments Inc.*
- Texas Nameplate Co.
- Textron, Inc.
- **Thermo Fisher Scientific**
- TK Elevator Corporation*
- TitanX Engine Cooling, Inc.
- **Toyota Motor Engineering and Manufacturing North America***
- TPC Group, LLC
- Tri-State Plastics, Inc.
- TRAM Group
- *Trane Technologies*
- Tyson Foods
- *United Mechanical and Metal Fabricators, Inc.*
- **Valmont Industries**
- Valvoline
- Vanguard Space Technologies
- Vermeer Corporation
- Verso Corporation*
- **Victor Valley Wastewater Reclamation Authority***
- **Vitro Architectural Glass**
- **Volvo Group North America***
- W. L. Gore and Associates
- *Waupaca Foundry, Inc.*
- Weber Metals, Inc.
- Western Lake Superior Sanitary District
- WestRock
- Weyerhaeuser*
- Whirlpool Corporation
- **Xerox Corporation**
- **Zebra Technologies Corporation**
- Zimmer Biomet

KEY

- Bold** – Better Plants Challenge Partner
- Italics* – Better Climate Challenge Partner
- Asterisk* – Energy Goal Achiever
- Tilde ~ – Water Goal Achiever