



ENERGY STAR Resources

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FOR IMMEDIATE RELEASE

April 13, 2021

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EPA Honors 14 New England-based 2021 ENERGY STAR Partners of the Year Award Winners

BOSTON – The U.S. Environmental Protection Agency’s (EPA) Region 1 and the U.S. Department of Energy (DOE) are honoring 14 New England-based ENERGY STAR partners for their outstanding leadership in reducing American energy bills and tackling climate change.

“ENERGY STAR award-winning partners are showing the world that delivering real climate solutions makes good business sense and promotes job growth,” **said EPA Administrator Michael S. Regan.** “Many of them have been doing it for years, inspiring all of us who are committed to tackling the climate crisis and leading the way to a clean energy economy.”

“These ENERGY STAR partners have made energy efficiency a priority for many years,” **said EPA New England Acting Regional Administrator Deborah Szaro.** “EPA is proud to recognize these companies’ outstanding commitment to cost-saving energy efficient solutions, combatting climate change, and protecting the environment.”

[Press Release:](https://www.epa.gov/newsreleases/epa-honors-14-new-england-based-2021-energy-star-partners-year-award-winners)

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Program Goal

Reduce energy-related greenhouse gas emissions by promoting energy-efficiency

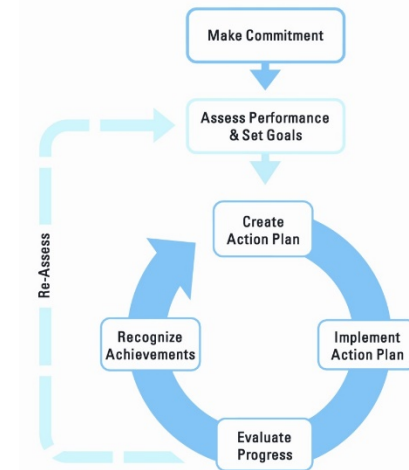
- ✓ ENERGY STAR is the oldest EPA climate change mitigation program
- ✓ Voluntary, non-regulatory partnership program
- ✓ Since 1992, ENERGY STAR and its partners have helped save more than 4 trillion kWh of electricity and prevent over 3.5 billion metric tons of CO₂e

ENERGY STAR & Strategic Energy Management (SEM)

Promotes an SEM approach in the C&I markets to:

- Help organizations / companies establish an energy management program
- Cultivate an energy-efficiency culture
- Improve energy performance to reduce GHG emissions

ENERGY STAR Guidelines for Energy Management



Motivating & maintaining focus

What we see our partners leverage the most:

- Recognition programs
 - Reinforces goals
 - Rewards performance
 - Increases visibility of energy management
- Peer networking via corporate energy team
 - Provides positive reinforcement
 - Learn new ideas / get questions answered
 - Enables benchmarking
 - Can be inspiring and motivating

ENERGY STAR Recognition



ENERGY STAR Building Certification





ENERGY STAR® PortfolioManager®



Property types with 1-100 ENERGY STAR scores (but any building can be benchmarked)

*Not eligible for ENERGY STAR Certification



Bank Branch



Barracks*



Courthouses



Data Centers



Distribution Centers



Financial Offices



Hospitals



Hotels



K-12 Schools



Office Buildings



Medical Offices*



Multifamily Housing



Residence Hall/Dormitory*



Retail Stores



Senior Care Communities



Supermarkets



Warehouses



Wastewater Treatment Plants*



Wholesale club/
Supercenters



Worship Facilities

2012 CBECS (Commercial Buildings Energy Consumption Survey) > August 2018 update finalized this summer

Challenge for Industry

- Plants pledge to improve energy performance by 10% within 5 years or less.
- Any type of manufacturing plant can participate.
- Metric used to track energy intensity is determined by the plant or company.
 - SEM regression models can be used
- Reduction is calculated from a baseline registered with EPA or NRCAN.
- No annual reporting.
- Verification of improvement only required for recognition.



energystar.gov/industrychallenge

ENERGY STAR Plant Certification



ELIGIBLE PLANTS:

Auto Assembly*	Integrated Paper Mill
Auto Engine*	Integrated Steel
Auto Transmission*	Plant*
Cement	Juice Processing
Commercial Bread & Roll*	Metal Casting Aluminum
Container Glass	Iron
Cookie & Cracker	Nitrogenous Fertilizer
Flat Glass	Petroleum Refining**
Frozen Fried Potato Processing	Pharmaceutical
Fluid Milk Processing	Pulp Mill
	Wet Corn Milling

Peer Networking Options

At the national level:

- ENERGY STAR
- DOE Better Buildings & Plants

Participation tends to be mostly corporate energy managers

Limited options for
plant energy
champions

At the local level....

- AEE Chapters
- IFMA / BOMA / ASHE Chapters

Requires membership or fee

Active involvement by vendors & consultants

Need for regional EM Networks

- Offers a new “cohort” for SEM graduates
- Helps maintain focus on energy management
- Promotes development of energy champions
- Provides visibility & validation of the role of an energy champion
- Encourages networking, mentoring, and collaboration
- Accelerates adoptions of best practices
- Helps EE program implementors (utilities / government) with outreach

NE EM Best Practice Network

- Regional network of energy managers
- Discuss best practices in a no-sell environment
- No fees / membership / obligations
- Coordination support from the US EPA but not intended to be an “ENERGY STAR Chapter”



History & Past Events

- **2013:** A group of Boston area ENERGY STAR Industrial Partners, led by Raytheon, met with EPA New England to create a regional Best Practices Network.
- **2014-2017:** Three meetings per year hosted by network members with facility/campus tours and roundtable discussions to share best practices on specific topics.
- **2018:** “World Café” networking event with attendees rotating through seven different stations to learn best practices.
- **2019:** Networking meeting hosted at Raytheon on Energy Treasure Hunts.
- **2020:** Due to COVID-19 concerns, EPA New England has hosted several online webinars focused on Energy Treasure Hunts and COVID-19 challenges.
- **2021:** Next Webinar on Utility Offerings in New England (May 4 from 2:00 to 3:00 PM ET): [REGISTER HERE](#)



New England Treasure Hunt Campaign

Leading Organizations to Uncover Energy
Gold in Their Buildings or Facilities





Find the Treasure Campaign

GOAL:

- Raise awareness of energy efficiency savings potential
- Help organizations find energy savings, create action plans, and building energy teams using "treasure hunts"
- Engage new audiences and organizations in energy management
- Provide more ways for organizations to participate and earn recognition from ENERGY STAR

Find the Treasure Campaign

1. Conduct an Energy Treasure Hunt

- Organize a treasure hunts
- Identify potential savings



2. Add your energy savings to the Treasure Chest!

- Share your savings at through an on-line form at:
www.energystar.gov/treasurehunt

3. Get EPA Recognition for participating

- Be featured on www.energystar.gov/treasurehunt
- Receive a printable certificate noting their contributions

Treasure Hunt Resources



Energy Treasure
A HOW-TO GUIDE FINDING ENERGY IN YOUR BUILDING

Energy Treasure Hunts During COVID-19

VIEW HONDA'S 5-PART VIDEO SUCCESS STORY
Hunting For Energy Treasure at Honda...
HUNTING FOR ENERGY TREASURE AT HONDA
OBJECTIVES, EXPECTATIONS & RESULTS

Determine Virtualization Strategy

Many of the phases and planning steps of the treasure hunt can be done remotely using virtual meeting platforms, as illustrated in the table below.

Phase	Step	Remotely	On-site
Preparation	Facility selection and scheduling	•	
	Identify and confirm team members	•	
	Data collection and analysis	•	
	Prepare detail sheets & calculators	•	
Pre-hunt training	Develop agenda and plan	•	
	Meet with team leaders	•	
Treasure hunt event	Train participants	•	
	Opening presentation	•	
	Go & see		•
Prioritize & follow-up	Team summaries / Detail sheet work	•	
	Create implementation plans	•	
	Check-ins / huddles	•	

Projected Situation (after Opportunity)

	Business Hours	Non-Business Hours
Running: Hours/Day		
Days/Month		
Months		
Set point		
Other		

Utility Use

	KWh	MMBtu	MMBtu
Electricity			
Natural Gas			
District Steam			

www.energystar.gov/TreasureHunt



New England Campaign

Cambridge Health Alliance

Company Name: Cambridge Health Alliance

Type of Company: Healthcare company

Number of Treasure Hunts: 1

Average Size of Treasure Hunt Teams: 28

Top O+M Savings Opportunities Identified:

- Fix unoccupied HVAC setbacks in the operating rooms
- Install variable frequency drives
- Reset discharged chill water set point based on demand

Potential Savings Identified from the Treasure Hunts: \$195,000

LeMaitre Vascular, Inc.

Company Name: LeMaitre Vascular, Inc.

Type of Company: Medical device manufacturer

Number of Treasure Hunts: 1

Average Size of Treasure Hunt Teams: 12

Top O+M Savings Opportunities Identified:

- Reduce ventilation rate in clean rooms when not occupied
- Reduce air compressor setpoints to required levels and turn compressors off during non-production hours
- Upgrade lighting

Potential Percentage Savings Identified from the Treasure Hunt: 23%



New England's Treasure Hunt Campaign

Webinars on how to conduct a treasure hunt to find energy efficiency opportunities in commercial buildings and industrial facilities. Next Webinar on Energy Treasure Hunt for Microbreweries w/ EPA's Pollution Prevention Program (April 27 from 1:00 to 2:00 PM ET): [REGISTER HERE](#)

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