ENERGY STAR Commercial Food Service Webinar Series

Discovering Energy and Cost Savings with ENERGY STAR Treasure Hunts

Tuesday, March 23, 2021
Introduction to Monthly CFS Webinar Series

Webinars are an opportunity for Partners/Stakeholders:

• To hear news on the latest CFS events, activities, and initiatives at ENERGY STAR
• To learn about program engagement resources and tips
• To engage with ENERGY STAR and each other on industry topics and energy-savings
• To provide feedback on any information gaps and inform the development of new resources
Near-Term ENERGY STAR CFS Activities

- Earth Day – April 22, 2021
- Spring newsletter – April 2021
- CFS equipment calculator updates – coming soon!
- CFS utility midstream program resources – coming soon!
- Active specification revisions:
  - Commercial Refrigerators and Freezers v5.0
  - Commercial Ovens v3.0
  - Commercial Electric Cooktops v1.0
- Webinar Series
  - Next webinar Tuesday, April 13 at 1 PM EST
Stakeholder Breakdown

- Registrations for today’s webinar include:
  - 26 EEPS/Utilities
  - 21 Product Brand Owners
  - 14 Implementers
  - 13 Other
  - 2 Dealers/Distributors
  - 2 Associations
Polling Question #1

- Has your organization ever conducted an Energy Treasure Hunt?
  - Yes
  - No
Polling Question #2

• Are you familiar with the ENERGY STAR Commercial & Industrial program?
  • Yes
  • No
Energy Treasure Hunt Resources from ENERGY STAR

Walt Tunnessen, ENERGY STAR Industrial
Jerry Lawson, ENERGY STAR Small Business
Agenda

▸ Background on Energy Treasure Hunts

▸ Treasure Hunt Resources from ENERGY STAR

▸ Treasure Hunt Tips for Small Businesses

▸ Find the Treasure Campaign

▸ Questions / Discussion
What’s an Energy Treasure Hunt?

• Process for finding no and low-cost energy savings opportunities at facilities

• Involves facility staff who work with energy team & outside experts

• Engages senior management / financial decision makers to authorize action on projects

• Establishes an action plan for implementation
Background on Energy Treasure Hunts

TOYOTA

Suppliers → Industrial Partners →

2008 Great Recession

2014 Guidebook →

Hundreds of Industrial Companies

2018 Short Guide, Videos, Treasure Maps, Detail Sheets

2019 Launch Campaign
Treasure Hunts vs Audits

- TH are less threatening to employees than audits or assessments
  - Focus on “opportunities,” not problems
  - Engage employees responsible for implementation
  - Help build energy teams

- TH generally look for operational & behavioral opportunities
  - Pick the low hanging fruit
  - Identify opportunities for further study (capital projects)

- TH get management approval to implement findings at the end of the event

TH can be expanded to address water, safety, and other issues.
Energy Treasure Hunt Benefits

▸ Develops employees’ energy knowledge

▸ Motivates employees to pursue energy innovation

▸ Creates focus on low-cost operational improvements where results can be seen quickly

▸ Establishes culture of continuous improvement and cross-functional collaboration

▸ Reduces energy use, cost, and GHG emissions

▸ Sparks employee ownership of energy-saving strategies

▸ Helps to identify areas where more in-depth study may be needed
Hunting for Treasure

- The “Treasure Hunt” is usually a 1 to 3-day event depending on the facility size & complexity.

- Starts during a non-operating period (weekends, morning, between shifts, etc.) and continues through an operating period.

- Involves teams walking the site, making observations, and asking questions such as:
  - Can it be shut off?
  - Can it be tuned up?
  - Can it be done more efficiently?
  - Can it be upgraded?

- Requires time to estimate savings (Btu/$) and prepare findings & recommendations for management.
Treasure Hunt Planning

▸ **Phase 1: Preparation**
  ▪ Select site
  ▪ Schedule event
  ▪ Identify team members
  ▪ Collect energy data and information on the site
  ▪ Gather resources & tools

▸ **Phase 2: Pretraining**
  ▪ Train team members on the process and tools

▸ **Phase 3: Onsite Event**
  ▪ Visit site and hunt for treasure
  ▪ Quantify and prioritize energy savings
  ▪ Present findings to management

▸ **Phase 4: Follow-up**
  ▪ Check with on-site team on implementation strategy
  ▪ Prioritize actions
  ▪ Monitor process and energy performance
How to Guides

How to Guide For **Commercial Buildings**
- Short overview of the Treasure Hunt process
- 4 pages long
- Good to share with employees and managers who want more information but not a long read!

How to Guide For **Industrial Plants**
- Detailed discussion of the Treasure Hunt process
- 34 pages long
- Applicable to any type of facility.
- Share with those who need to know more about how treasure hunts are planned and implemented.
Small Business Action Workbooks

General Small Business Workbook

- “How to” for general small business energy efficiency savings
- 98 pages long
- Available in Spanish, formatted for printing, PDF is compliant with Americans with Disabilities Act

Trade Association “Co-branded” Workbooks and Treasure Maps

- Custom cover image(s)
- Inside open to open to association program information
- Full page letter on letterhead from CEO facing inside cover
Details Sheets

- Organize savings from projects & energy savings opportunities
- Available for industrials & commercial buildings
Video Case Studies

Short – YouTube-like videos on Treasure Hunts

Great for:
- Training teams
- Share with site management
- Learning more about treasure hunts
Treasure Maps

- Identify common energy savings opportunities
- Helpful for non-energy treasure hunt team members
- 14 buildings maps
- 3 industrial maps
Treasure Maps

Treasure Map for RESTAURANTS/COMMERCIAL KITCHENS

Grab a clipboard and take this map along on your treasure hunt. Focus on uncovering opportunities to save. When you find something, make notes about location, tools, materials, or expertise needed; or further research required. Feel free to add to or modify this list to suit your own needs.

Facility Name ___________________________ Floor _____ Date _______ Team ____________________

Facility Management and Benchmarking

- Managing costs starts with knowing your baseline use, from which to track savings. Start by printing the Data Collection Worksheet for “Restaurant/Bar” found under “Food Sales & Service” on this menu. This Worksheet will list all you need to benchmark your property in the free, online Portfolio Manager® tool for tracking energy, water and recycling/materials management.
  https://esbuildings.webex.com/mw3300/mywebex/default.do?siteurl=esbuildings
- Create your account at https://portfoliomanager.energystar.gov/pm/signup
- Learn more at https://www.energystar.gov/benchmark and find

NOTES:

TIP:
- Download the ENERGY STAR Action Workbook for Small Business (with restaurant appendices) for more strategies, action items, and ideas. See the 30-minute ENERGY STAR for Small Business recorded webinar. Start and support a Green Team of members and employees. Find resources to Build Your Own Competition for savings.
- Celebrate your success and recognize contributors. Help your customers and employees achieve savings by earning a green award and提高 Visibility.
Treasure Maps

Treasure Map for Supermarkets/Grocery Stores

Grab a clipboard and take this map along on your treasure hunt. Focus on uncovering opportunities to save. When you find something, make notes about location; tools, materials, or expertise needed; or further research required. Feel free to add to or modify this list to suit your own needs.

Facility Name ___________________________ Floor _____ Date ___________ Team ___________________________

1 Facility Management and Benchmarking

☑ Managing costs starts with knowing your baseline use, from which to track savings. Start by printing the Data Collection Worksheet for “Supermarket/Grocery” found under “Food Sales & Service” on the menu. This Worksheet will list all you need to benchmark your property in the free, online Portfolio Manager® tool for tracking energy, water and recycling/materials management.

☑ Create your account at https://portfoliomanager.energystar.gov/pm/signup

☑ Learn more at https://www.energystar.gov/benchmark and find

NOTES:

TIP:

- Download the ENERGY STAR Action Workbook for Small Business for more strategies, action items and ideas. Start and support an employee Green Team.

- Find resources to Build Your Own Competition for savings, celebrate your success and recognize contributors, and help your customers and employees achieve savings at home and at guests’ workplaces and Bring Your Green to Work.
Treasure Maps

Treasure Map for Convenience Stores

Grab a clipboard and take this map along on your treasure hunt. Focus on uncovering opportunities to save. When you find something, make notes about location; tools, materials, or expertise needed; or further research required. Feel free to add to or modify this list to suit your own needs.

Facility Name_____________________________  Floor_____  Date_________  Team__________________________

1 Facility Management and Benchmarking

- Managing costs starts with knowing the baseline from which to track savings. Print the Data Collection Worksheet for “Convenience Store” found under “Food Sales and Service”. This Worksheet lists what you need to benchmark your property in the online Portfolio Manager® tool for tracking energy, water and recycling/materials management.
- Create your account, learn more and find Portfolio Manager training and tech support.
- Portfolio Manager does not have a module to score Convenience Stores on the 1-100 ENERGY STAR® scale but is working with NACS.

NOTES:

TIP:
- Enter your Zip Code in the rebate finders for ENERGY STAR® and WaterSense® labeled products to check on utility or retail vendor product rebates. Utilities may have pre-purchase application requirements.
- Download the ENERGY STAR Action Workbook for Convenience Stores for more strategies, action items, and ideas. Start and support an employee Green Team. Find resources to Build Your Own Competition for savers.
Treasure Hunts During COVID Tips

▸ Tips from companies that conducted treasure hunts during COVID-19

▸ Virtualization strategies for planning and implementing treasure hunts

▸ Creating on-site & off-site teams

▸ Deeper data analysis (aka virtual treasure hunting)

▸ Targeting facilities and systems

www.energystar.gov/treasurehunt
Energy Treasure Hunt Campaign
Find the Treasure Campaign

GOAL:

▪ Raise awareness of energy efficiency savings potential

▪ Increase adoption of the use of “treasure hunts” particularly in the commercial building markets

▪ Engage new audiences and organizations

▪ Provide more ways for organizations to participate and earn recognition from ENERGY STAR
Find the Treasure Campaign

1. Conduct an Energy Treasure Hunt
   - Organize treasure hunts
   - Identify potential savings

2. Add your energy savings to the Treasure Chest!
   - Share your savings 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 your contributions
   - Receive EPA communications about the campaign
Profiles of facilities, companies, and organizations that shared their results!

Profiles of organizations and companies that promoted treasure hunts coming in 2021!
Challenge for Industry

Recognition opportunity for industrial plants:

- Plants pledge to reduce energy intensity by 10% within 5 years or less.

- **Any type** of manufacturing plant can participate

- Reduction calculated from baseline registered with ENERGY STAR

- Sets a goal for implementing savings opportunities found during Treasure Hunts

energy.gov/industrychallenge
Summary

Energy treasure hunts offer:

▸ Process to find energy saving opportunities

▸ Training facility staff on basic energy management skills

▸ Engage customers with a value-added service

▸ Opportunity for recognition
Questions / Comments?

- Walt Tunnessen: Tunnessen.Walt@epa.gov
- Jerry Lawson: Lawson.Jerry@epa.gov
- www.energystar.gov/treasurehunts
Save the Date for the Next Webinar!

Leveraging U.S. Environmental Protection Agency’s Green Power Partnership Program
• Tuesday April 13, at 1 PM EST

More information will be sent through a mass mailer! Email cfs@energystar.gov to confirm you are on the distribution list!