



## **Strategic Energy Management (SEM) with ISO 50001 and 50001 Ready**

**DOE 50001 Ready Training  
Webinar Series, Session 1  
Tuesday, February 17  
10:00 a.m. to 12:30 p.m.**

# Agenda – Session ONE

- Welcome, Safety, and Housekeeping
- Introductions
- Today's Content – Introduction and Overview
  - Training versus Implementation
  - Why Strategic Energy Management (SEM)
  - Why 50001?
  - Introduction to the 50001 Ready Navigator
- Webinar Training Schedule
- Resources
- Kahoot Quiz
- Q&A

**But first, a POLL**



# Polling Question 1

Polling Question

- 1) Why did you decide to attend this training on 50001 Ready and energy management?
  - A. Curiosity
  - B. My boss signed me up
  - C. It is free
  - D. I have a corporate mandate to improve energy management
  - E. I am in a new role requiring better energy management skills
  - F. I need professional development hours
  - G. Other

# Welcome

- Welcome to the Virtual INPLT 50001 Ready webinar training series
- Eight, 2.5-hour webinars, focused on Strategic Energy Management (SEM), in general, and the ISO 50001 standard and 50001 Ready Navigator, in particular
- The webinars will help you understand the why and how of SEM and the application of the 50001 Ready Navigator tool
- Thank you for your interest!



# Safety and Housekeeping

- Please make sure your surroundings are safe
  - If you are driving, please use hands-free mode
  - If you are in a building, be sure you know the exit paths
  - If you are at home, be sure there are no distractions
- You are welcome to ask questions at any time
- When not asking a question, please mute your mic 
- We are recording these webinars, and by staying online, you are giving consent to be recorded
  - A link to the recorded webinars will be provided

# Our 50001 Ready Training Group



# Introduction and Overview of 50001 Ready

# Today's Topics

- Quick List of Acronyms
- 50001: Training vs. Implementation
- Why Strategic Energy Management (SEM)?
- Why 50001?
- Overview of 50001 Ready Navigator Tool



# Quick List of Acronyms

- SEM = Strategic Energy Management
- EnMS = Energy Management System
- SEU = Significant Energy Use
- EnPI = Energy Performance Indicator
- EnB= Energy Baseline
- PDCA = Plan, Do, Check, Act – REPEAT!
- **Glossary**

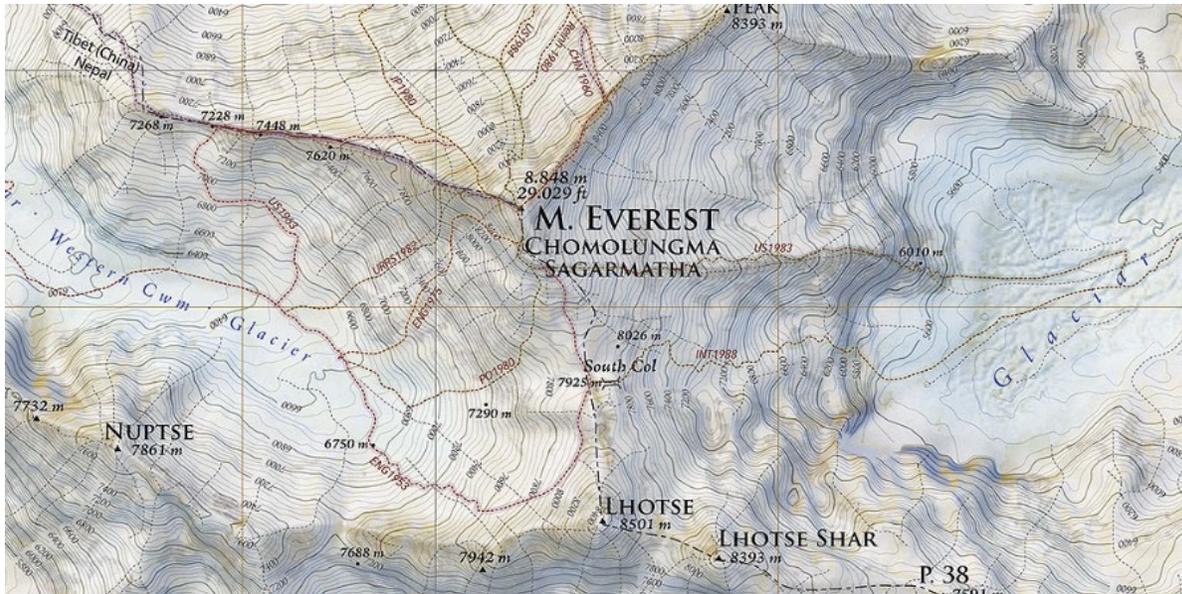


# 50001: Training versus Implementation

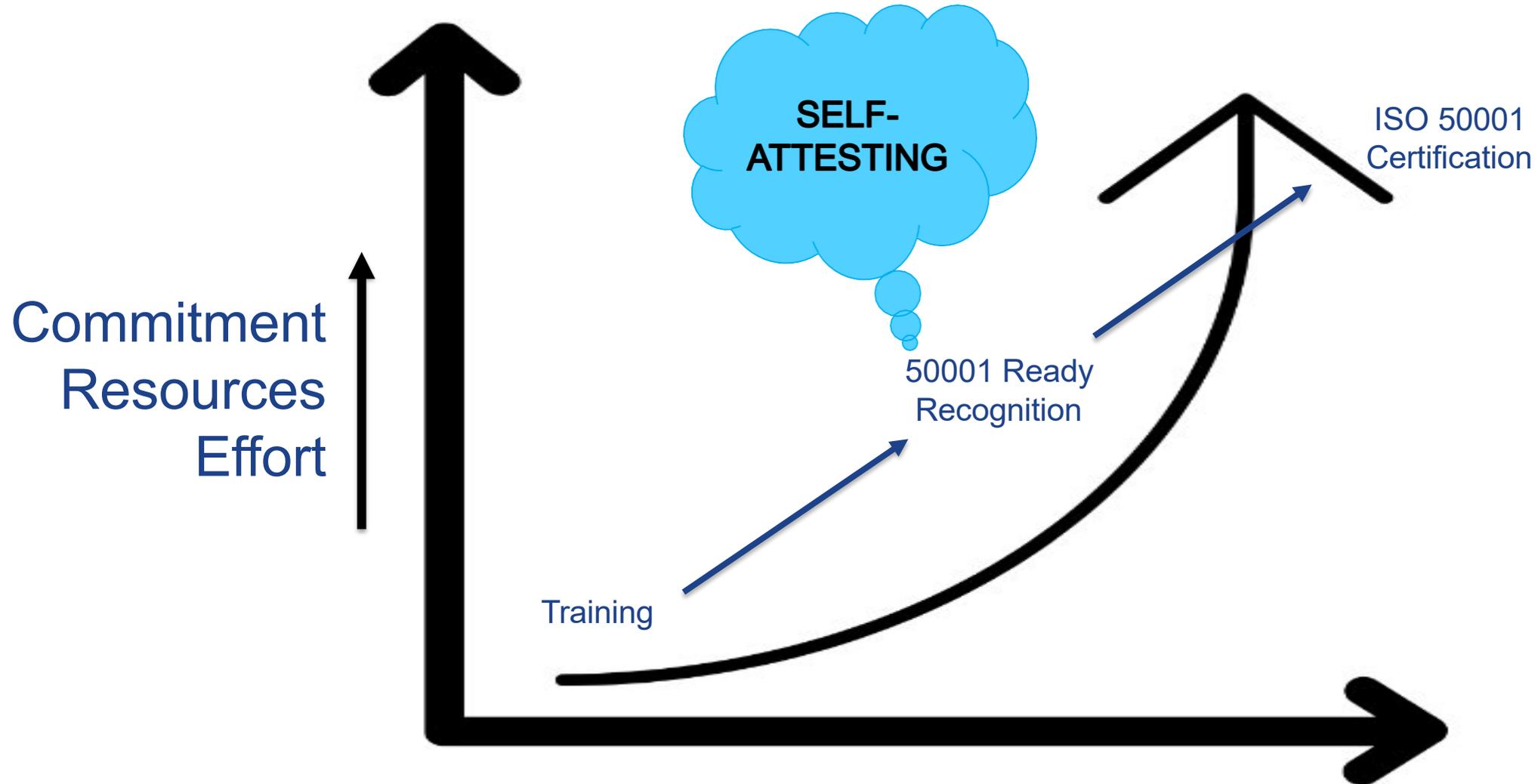
- This eight-week webinar series is focused on knowledge transfer to help you:
  - Understand energy management principles
  - Gain an overview of the scope of 50001 based energy management
  - Learn about the 50001 Ready navigator tool and its 25 tasks
  - Understand where your organization is relative to the requirements of 50001
  - Evaluate where your organization will go next on its energy management journey
- During this webinar series, please consider if you and your organization are ready for a deeper dive into energy management via the DOE/ITO sponsored cohort program from LBNL
  - We will talk about this option during our webinar series

# 50001: Training versus Implementation

- There is a significant difference between studying the map (i.e., training) and climbing the mountain (i.e., implementation)



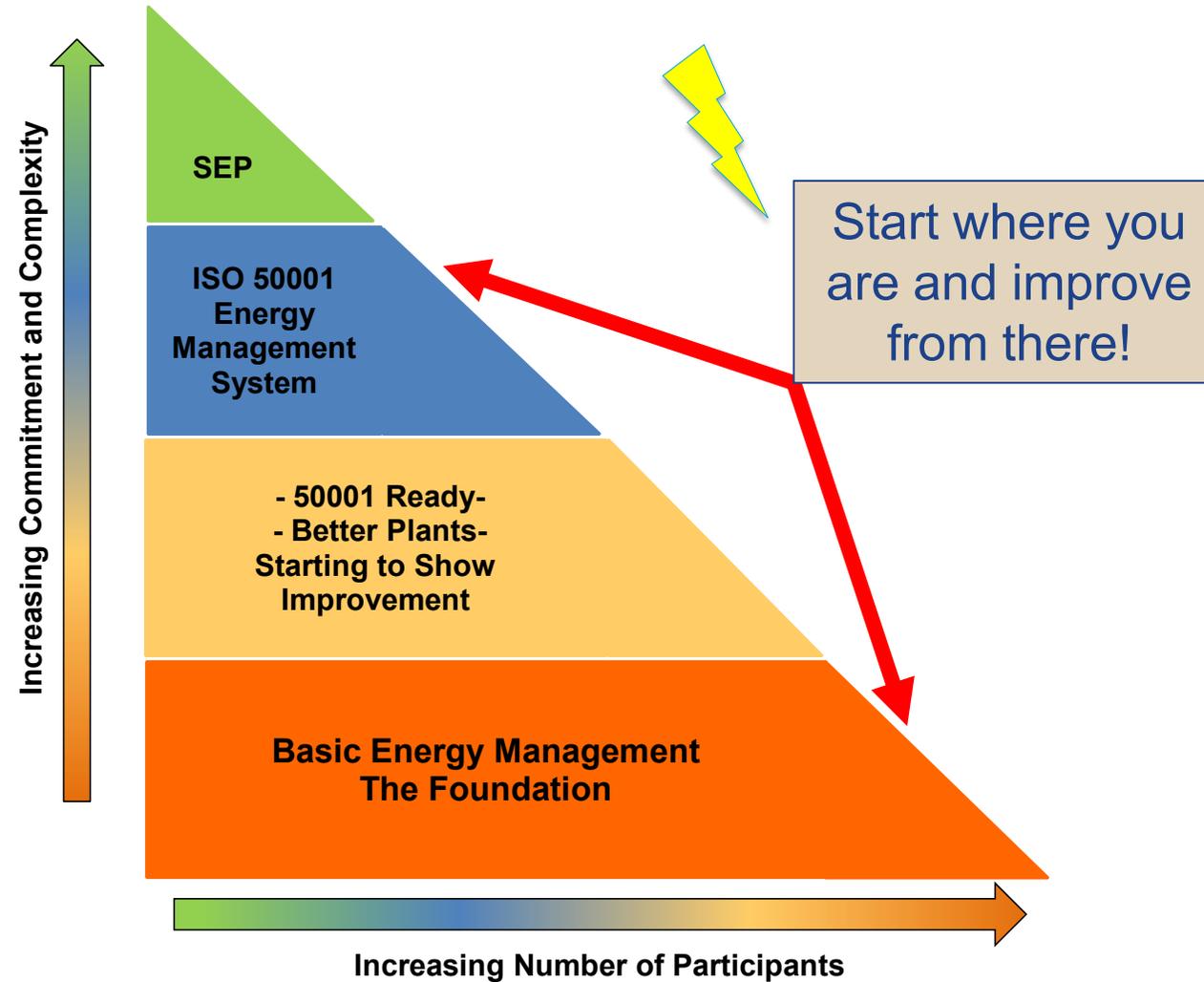
# Pathways for 50001 Energy Management



# 50001: Training versus Implementation

Item Description	Training	Implementation
Signed participation agreement	NO	YES
Data collection: surveys, site info, energy info, gap assessments, etc.	NO	YES
Set up a 50001 Ready account	Recommended	Required
Webinar training sessions	YES	YES
Polls and Knowledge Checks	YES	YES
1-on-1 calls with each site	NO	YES
Homework assignments	Surveys Only	YES
Download task playbooks from 50001 Ready	Optional	Required
Complete playbooks for each task	NO	YES
Maintain task status in 50001 Ready	NO	YES
Apply for and achieve 50001 Ready Recognition	NO	YES

# Why SEM? - The Continuum

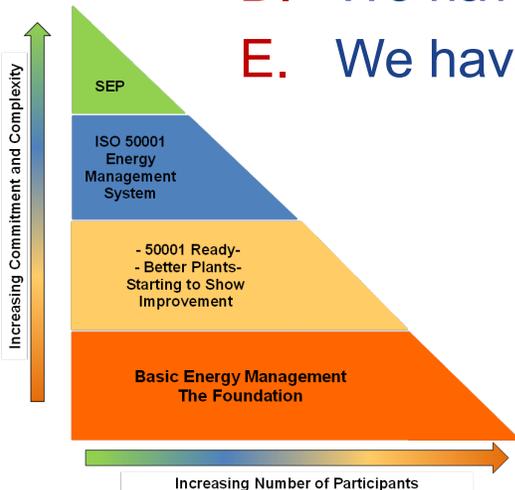


# Polling Question 2

Polling Question

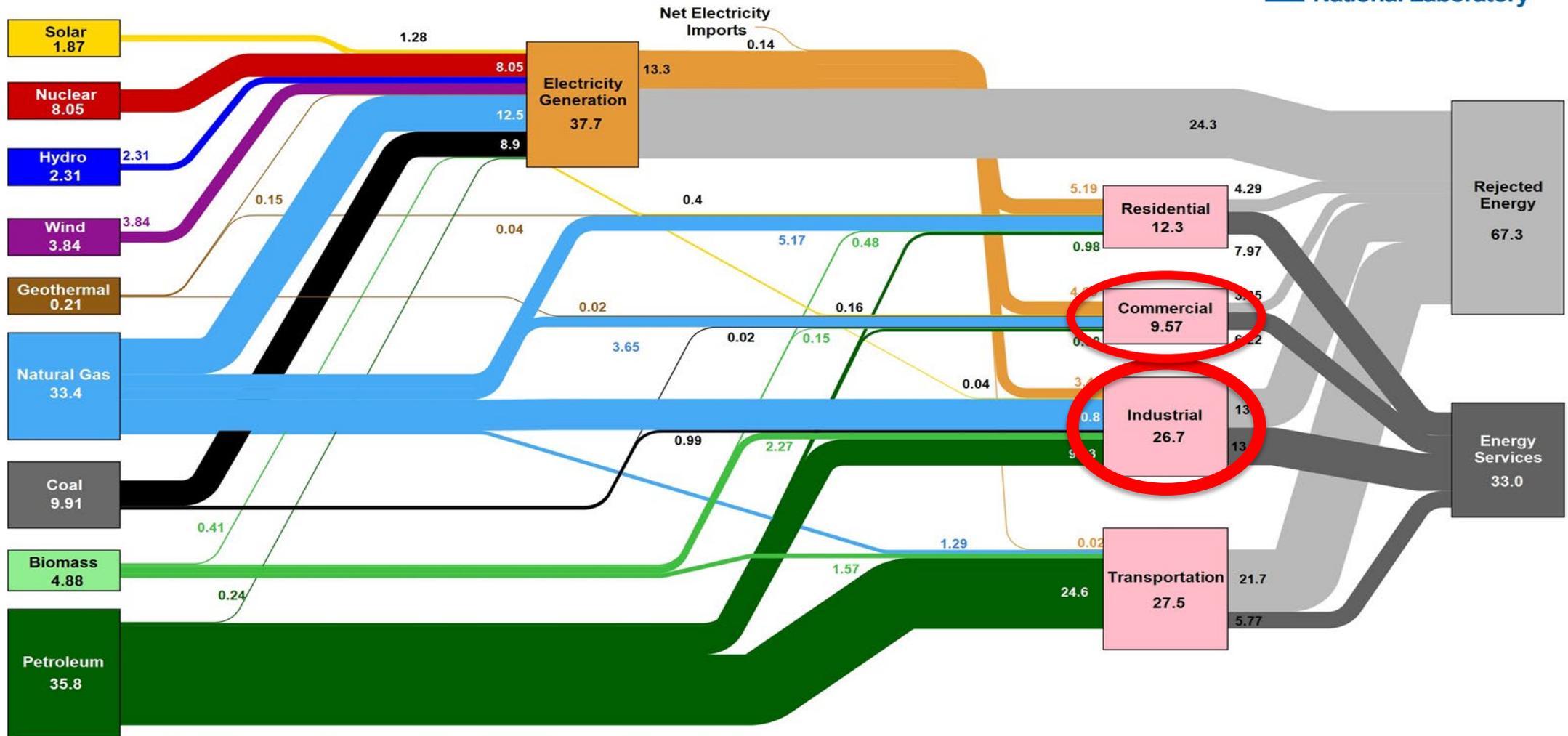
2) Based on the SEM Continuum on the previous slide, where do you feel your company is?

- A. We are just here for the training
- B. We are just starting with the SEM basics
- C. We have been working with Better Plants and are ready to engage more with 50001 Ready
- D. We have some sites with 50001 Ready Recognition and plan to do more
- E. We have some sites with ISO 50001 certification and plan to do more



# Why SEM? – The Big Picture

Estimated U.S. Energy Consumption in 2022: 100.3 Quads



Source: LLNL July, 2023. Data is based on DOE/EIA SEDS (2021). If this information or a reproduction of it is used, credit must be given to the Lawrence Livermore National Laboratory and the Department of Energy, under whose auspices the work was performed. Distributed electricity represents only retail electricity sales and does not include self-generation. EIA reports consumption of renewable resources (i.e., hydro, wind, geothermal and solar) for electricity in BTU-equivalent values by assuming a typical fossil plant heat rate. The efficiency of electricity production is calculated as the total retail electricity delivered divided by the primary energy input into electricity generation. End use efficiency is estimated as 0.65% for the residential sector, 0.65% for the commercial sector, 0.49% for the industrial sector, and 0.21% for the transportation sector. Totals may not equal sum of components due to independent Rounding. LLNL-MI-410527



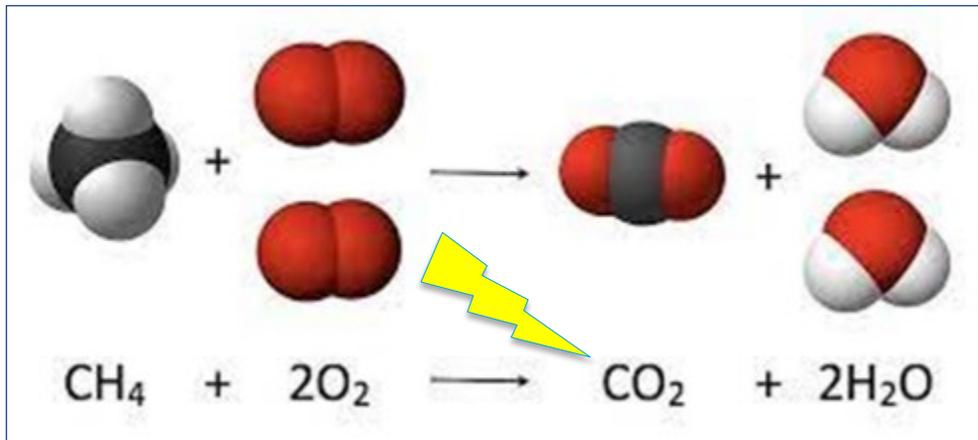
# Why SEM?

- 36.3 Quadrillion BTUs\*\*
- Make more with less
  - Lean Principles
- Reduce energy intensity
  - LESS MMBTU/ton
  - LESS MMBTU/linear yard
  - LESS MMBTU/widget
  - LESS MMBTU/square foot
- Cleaner and Greener:
  - Reduce carbon footprint and greenhouse gases

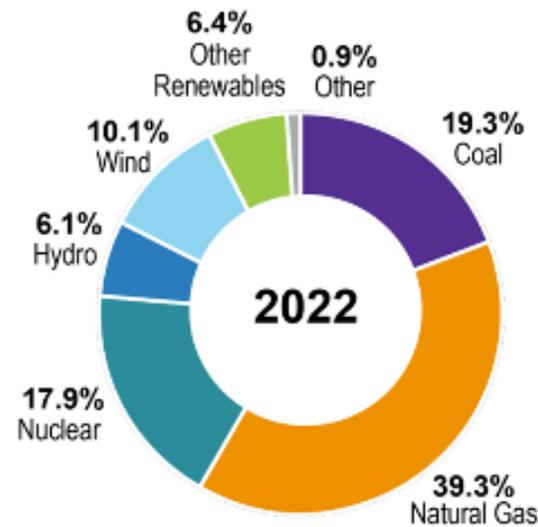


# Why SEM? – The Energy –Carbon Connection

- The best way to manage your carbon is to manage your energy.



## Electric Companies Use a Diverse Mix of Resources to Generate Electricity



## 2022 National Energy Resource Mix

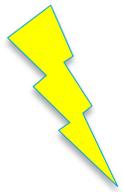
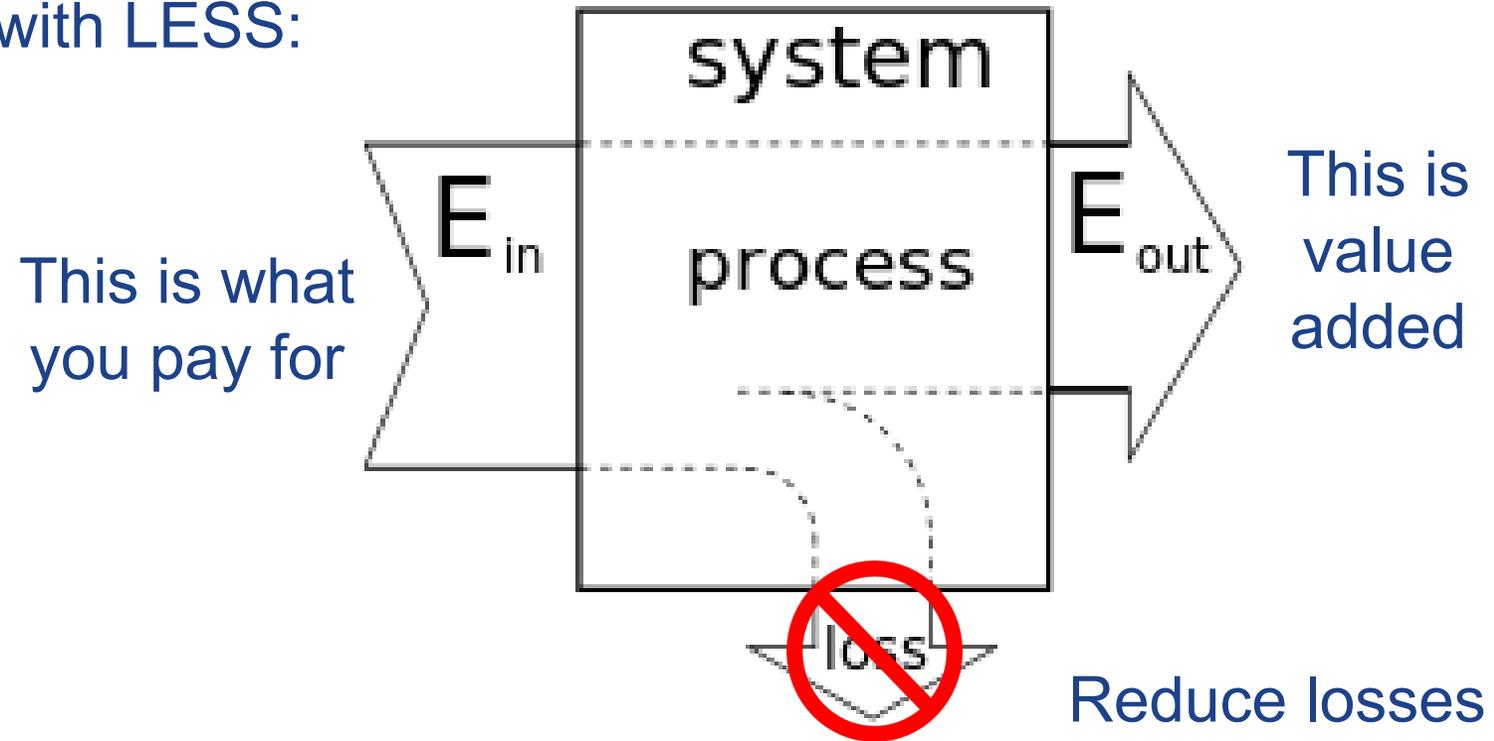
\*Other (Renewables) includes geothermal (or large-scale solar, private (or rooftop) solar, gasification, and generation from biomass sources (agriculture waste, landfill gas recovery, municipal solid waste, wood, non-wood waste).  
\*Other includes generation by fuel oil, tires, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.  
Source: U.S. Department of Energy, Energy Information Administration.

EEl



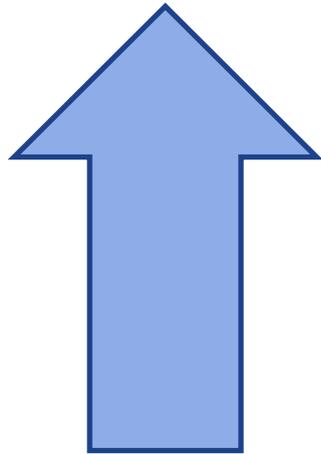
# Why SEM? - Energy Efficiency

- Make MORE with LESS:



Get as close to 100% as is technically and economically possible

# Why SEM? – EE & EI



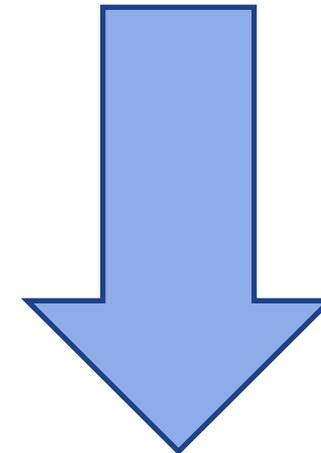
INCREASE Energy Efficiency (EE)

TO

REDUCE Energy Intensity (EI)

&

REDUCE Energy Costs \$\$\$



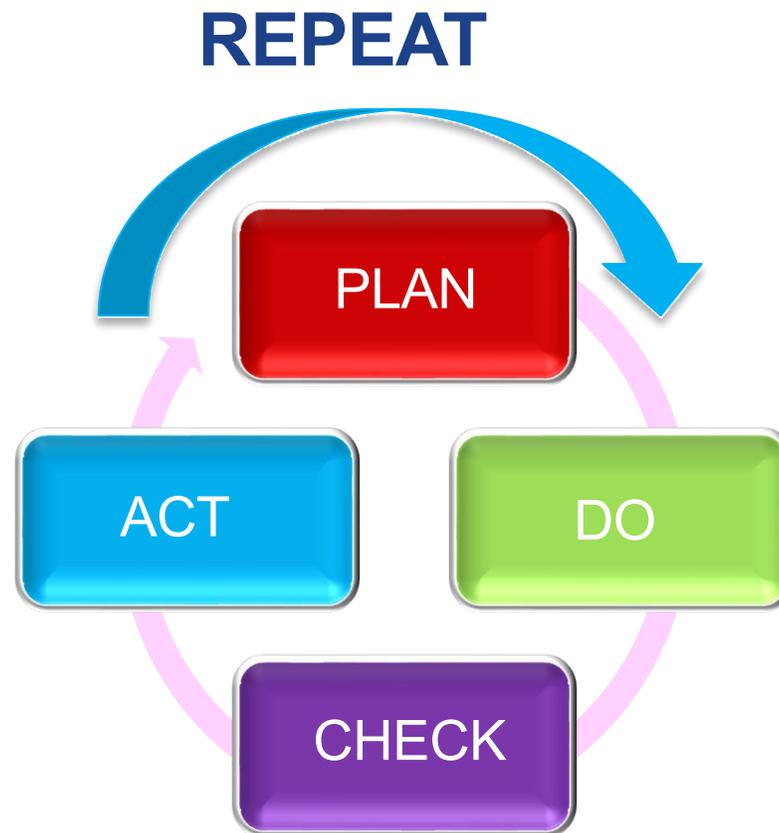
# Why SEM? - Non-Energy Benefits

## Non-Energy Benefits of Energy Projects:

- Increase plant productivity
- Improve product quality
- Reduce scrap
- Break a process bottleneck
- Reduce overtime
- Improve worker comfort
- Increase available floor space
- Improve work-flow
- Reduce emissions
- Improve safety



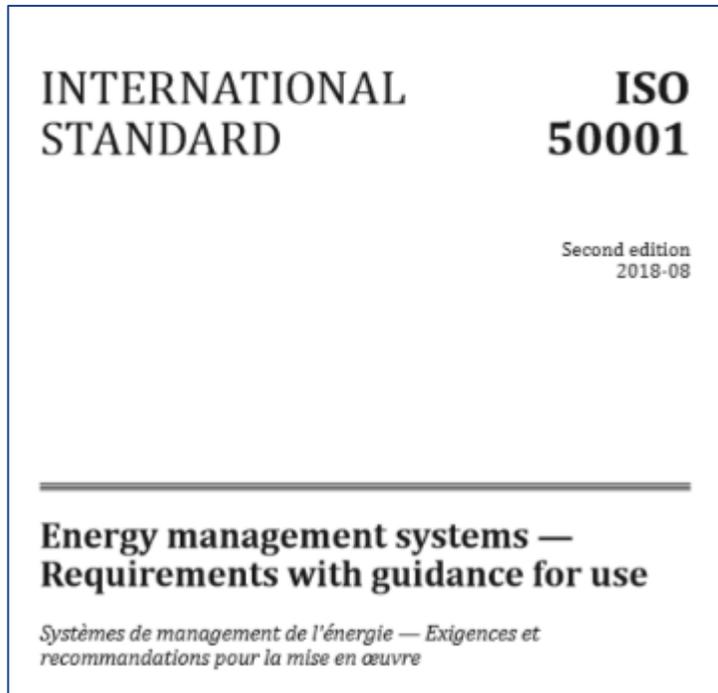
# Why SEM? - Continual Improvement



# Why 50001?

# Why 50001?: Background

50001 Ready is a recognition program based on the ISO 50001 Standard



# Why 50001?: A System

## Navigator

LANGUAGE  
English

Log In



### Welcome to the 50001 Ready Navigator!

The 50001 Ready Navigator is an online application that provides step-by-step guidance for implementing and maintaining an energy management system in conformance with the ISO 50001 Energy Management System Standard. Join the 23,000+ sites worldwide benefiting from an energy management system!

The 50001 Ready Navigator has been updated to reflect the changes made to the ISO 50001 standard in 2018. The original version of the 50001 Ready Navigator, based upon the 2011 publication of ISO 50001, will be available online for one year and accessible by existing projects to allow for a seamless transition to the revised version. Information about the full transition from the current to updated 50001 Ready Navigator is available below.

#### About the Navigator

Tell Me More

The 50001 Ready Navigator is an online guide for implementing an energy management system in conformance with the ISO 50001 Energy Management System Standard. It provides step-by-step guidance for implementing and maintaining an energy management system in conformance with the ISO 50001 Energy Management System Standard. It is available in English and Spanish.

**What is Energy Management?**

Energy management is a process by which an organization implements an energy management system to ensure that energy is used efficiently and effectively. It involves the identification, measurement, analysis, and control of energy consumption in order to improve energy efficiency and reduce energy costs. Energy management is a key component of an organization's sustainability strategy and can help to reduce greenhouse gas emissions and improve energy security.

**Why is Energy Management Important?**

Energy is a critical component of an organization's operations. It is important to ensure that energy is used efficiently and effectively in order to reduce energy costs and improve energy security. Energy management is a key component of an organization's sustainability strategy and can help to reduce greenhouse gas emissions and improve energy security.

**Why should I use the 50001 Ready Navigator?**

The 50001 Ready Navigator has been updated to reflect the changes made to the ISO 50001 standard in 2018. The original version of the 50001 Ready Navigator, based upon the 2011 publication of ISO 50001, will be available online for one year and accessible by existing projects to allow for a seamless transition to the revised version. Information about the full transition from the current to updated 50001 Ready Navigator is available below.

**What is 50001 Ready?**

50001 Ready is a U.S. Department of Energy initiative for facilities and organizations that have implemented an ISO 50001-based energy management system using the guidance in the 50001 Ready Navigator, and that have demonstrated energy performance improvements. To be 50001 Ready requires organizations to be responsible for demonstrating energy performance improvements.

#### Explore the Navigator

Dashboard

100% Completed

Task assignments

Task	Assigned To	Status	Start	End	Due Date
1. Get 50001 Ready Navigator	Michael E. Baker	Completed	10/20/2018		
2. Review and Implement Energy Management System	Michael E. Baker	Completed	10/20/2018		
3. Review and Implement Energy Management System	Michael E. Baker	Completed	10/20/2018		

**Create an Account or Log-in to Get Started**

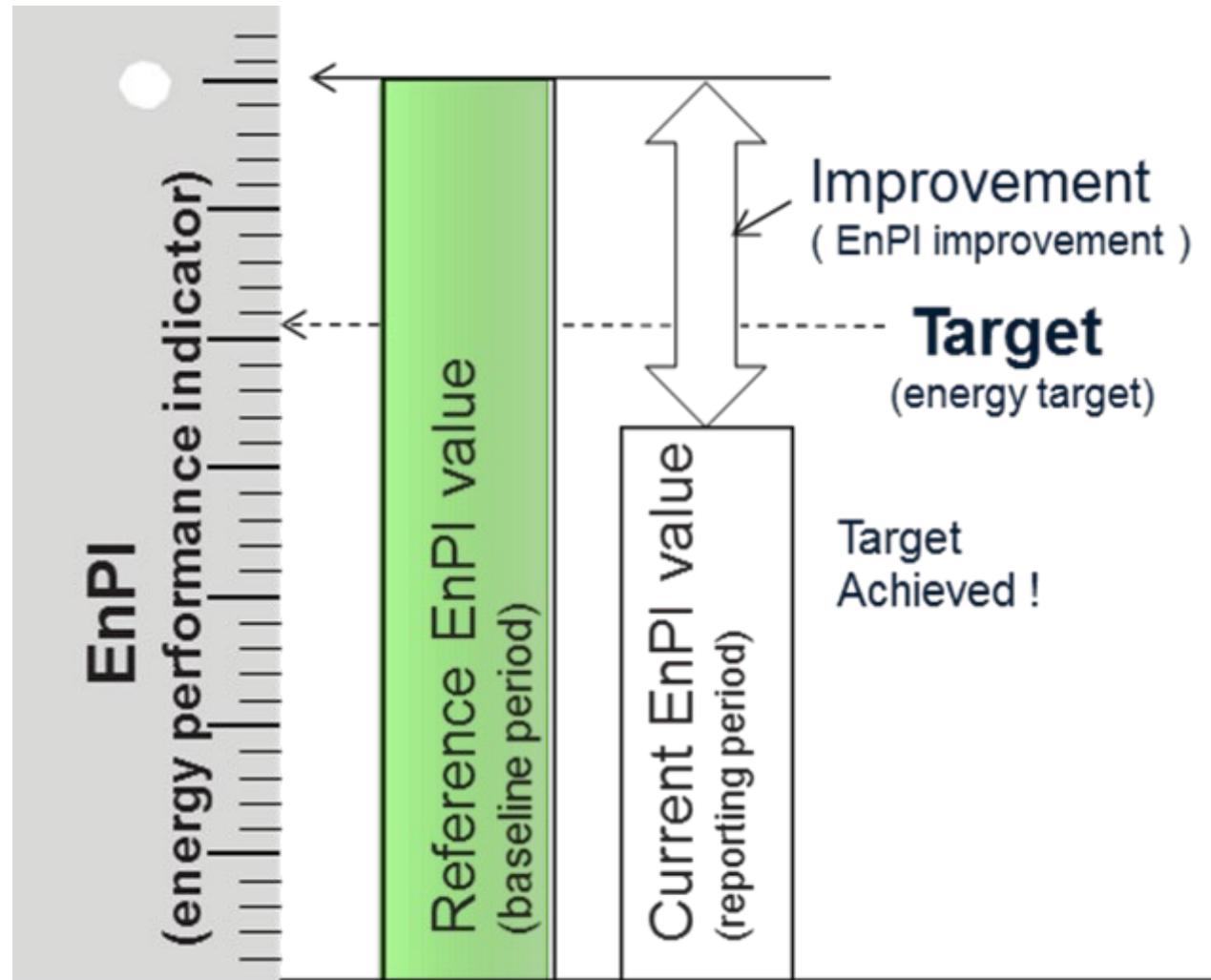
EMAIL ADDRESS

ENTER PASSWORD

**Log In**

[Forgot password?](#)

# Why 50001?: Goal Oriented & Data Driven



# Why 50001?: Proven Results

- Companies with formal SEM systems have better energy performance improvement:

- Schneider Electric

- 19% average improvement with ISO 50001
- Versus 11.5% without

- 3M

- 10.5% average improvement with ISO 50001
- Versus 6.5% without

- ISO 50001 will help formalize your energy management into a system

## Continual Improvement



Energy & Cost Reduction Over Time

# Why 50001?: Requires Commitment

STRONG management commitment is essential:

- Allow time for energy team participation
- Allow time for EnMS development
- Provide resources needed to succeed
- Provide resources for travel to trainings, as needed
- Provide capital funding for energy improvement
- Communicate energy policy and its importance
- Provide resources for internal auditing
- Conduct meaningful management reviews



# Why 50001?: Leverage

Previous experience with other ISO management systems is a plus:

- ISO 9001 for Quality
- ISO 14001 for Environmental
- OSHAS 18001, now ISO 45001: for Occupational Health and Safety

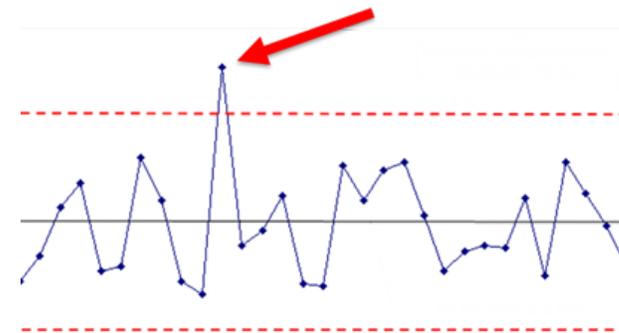


...but not a requirement.

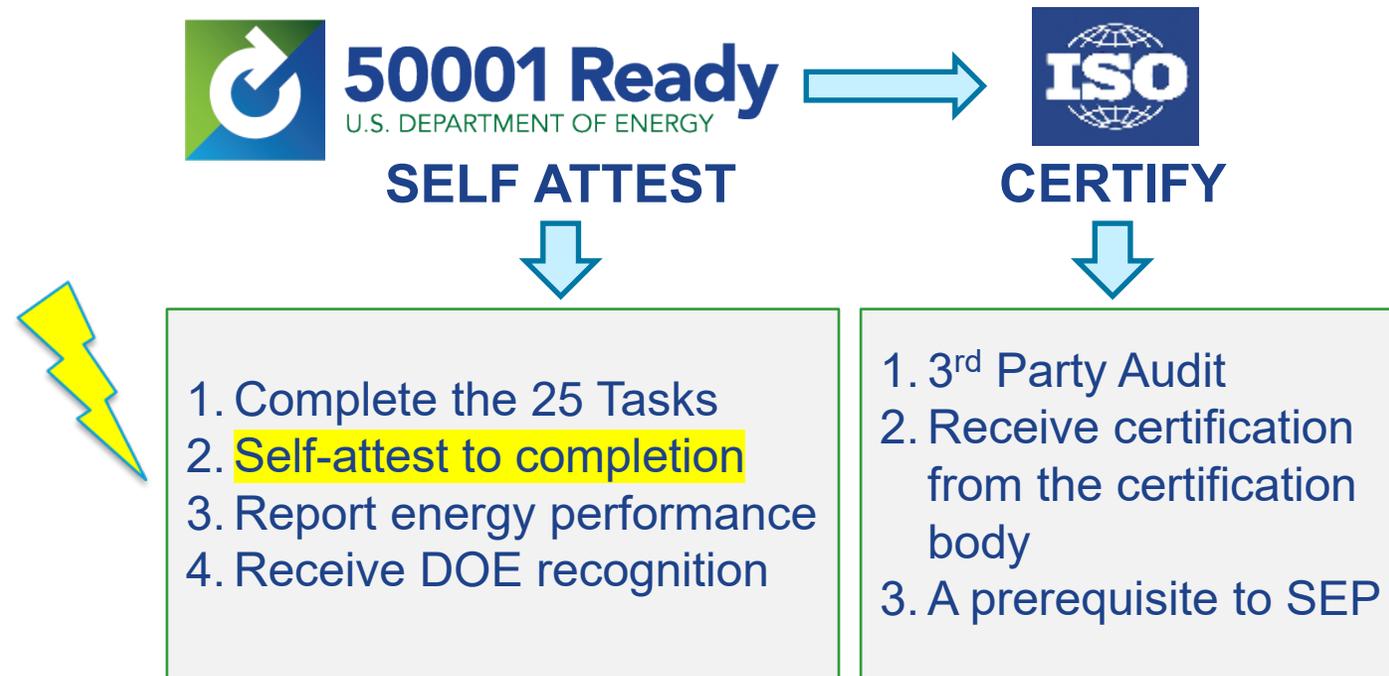
50001 Ready supports starting from scratch also.

# Why 50001?: Similarities to Other ISOs

- Similarities to ISO 9001, 14001 & 45001
  - Many processes are the same
  - Management systems topics are similar
  - Energy specific topics are unique for 50001
- Basics for all management systems
  - Scope and boundaries
  - Top management commitment
  - A related policy with objectives/targets
  - Awareness and communications
  - Documents and records
  - Internal auditing
  - Corrective action process
  - Management review
  - A continual improvement process



# Why 50001?: A Pathway to Meet YOUR Organizations Goals



**50001 Ready is part of a Pathway toward ISO 50001 Certification**

# Why 50001?: Summary

- Worth the effort
- An alternative
- Help for the weary
- A heavy lift needs leverage
- The right tools
- Step-by-step
- Proven improvement
- Dashboard tracking
- Great resources
- Self attesting
- Lots of FREE support



# The 50001 Ready Navigator



## Welcome to the 50001 Ready Navigator!

The 50001 Ready Navigator is an online application that provides step-by-step guidance for implementing and maintaining an energy management system in conformance with the ISO 50001 Energy Management System Standard. Join the 23,000+ sites worldwide benefiting from an energy management system!

The 50001 Ready Navigator has been updated to reflect the changes made to the ISO 50001 standard in 2018.



**50001 Ready Implementation Cohorts**  
[Click HERE for information!](#)

**Create an Account or Log-in to Get Started**

Email Address

Enter Password

Log In

[Forgot password?](#)

### About the Navigator

**Tell Me More**

The 50001 Ready Navigator is an online guide for establishing an energy management system to plan, identify, prioritize, and implement projects that will improve your facility's energy performance. Completion of the 50001 Ready Navigator prepares facilities to pursue certification to the international best practice for energy management systems, ISO 50001.

**What is Energy Management?**

Energy management is a culture for continual improvement of energy performance and efficiency that's integrated within an organization's everyday business practices. Organizations with an energy management system achieve energy and cost savings through informed decision making and the implementation of energy saving practices for facilities, processes, equipment and operations. ISO 50001 is the international standard for establishing and maintaining energy management systems.

**Why is Energy Management important?**

Energy is a critical component to your organization's operations. It's important to realize that energy can be managed and controlled to not a fixed overhead cost. Energy management helps to reduce your organization's energy costs through improved energy performance and optimized use of energy sources and energy related assets. No matter how large or small that organization implementing some form of energy management can be a key step to save energy, cut costs, and stay competitive - just ask the 12,000+ ISO 50001 certified facilities!

**Why should I use the 50001 Ready Navigator?**

The 50001 Ready Navigator has been developed by the U.S. Department of Energy to align with the energy management system best practices outlined in ISO 50001. Use of the Navigator ensures that your organization shares a common definition of energy management systems, and facilitates a team-based approach to its implementation. The Navigator is designed to help your organization build towards all parts of ISO 50001, so that you can self-assess to being "50001 Ready" or pursue ISO 50001 or Success Energy Performance (SEP) certification.

**What is 50001 Ready?**

50001 Ready is a U.S. Department of Energy designation for facilities and organizations that have implemented an energy management system in conformance with the ISO 50001 Energy Management System Standard.

- or -

### Explore the Navigator

**Dashboard**

All 50001 Ready Navigator Tasks Completed  
For 2024 Requirements, select reporting elements and request recognition. [Request Recognition](#)

100% Completed

CONTEXT OF THE ORGANIZATION LEADERSHIP PLANNING SUPPORT OPERATION PERFORMANCE EVALUATION APPROVALS

**Task Assignments**

Context of the Organization	Leadership	Planning	Support	Operation	Performance Evaluation	Improvement
Assign Section						
Context of the Organization						
Task	Assigned To	Approver	Status	Status Date		
1. An EMI and Your Organization	Michael E Miller	Michael E Miller	Completed	11/09/2019		
2. People and Legal Requirements Affecting the EMI	Michael E Miller	Michael E Miller	Completed	11/09/2019		
3. Scope and Boundaries	Michael E Miller	Michael E Miller	Completed	11/09/2019		

- or -

# Overview of 50001 Ready - The Tool

1. Recognition for self-attesting to implementation of an EnMS based on the structure of ISO 50001
2. No certification required from third-parties
3. Open-source software tools, designed to be adopted by implementers
4. Suite of resources to support continual improvement in institutional, commercial and industrial facilities
5. Able to support enterprise or multi-facility companies



# Overview of 50001 Ready - Dashboard

50001 Ready is an online, web-based 25 task process for energy management

The screenshot shows the 50001 Ready Dashboard interface. At the top, there is a blue navigation bar with the word "Navigator" on the left. On the right side of this bar, there are links for "LANGUAGE" (set to English), "Contact Subject Matter Experts", "FAQs", "My Tasks", and "My Navigator". Below the navigation bar, the user is logged in as "Acme Automotive". The main navigation area includes "Navigate Project: Project Dashboard", "Select a Section", and "Get Ready Recognized".

The main content area is titled "Dashboard" and includes several interactive elements:

- A green status bar: "This project is currently set up as a Test Project, indicating it is only being used to evaluate the Navigator." with a "Change Status" button.
- An "OVERALL PROGRESS" section showing "0% Completed".
- A row of seven circular progress indicators, each showing "0%".
- Labels for each progress indicator: "CONTEXT OF THE ORGANIZATION", "LEADERSHIP", "PLANNING", "SUPPORT", "OPERATION", "PERFORMANCE EVALUATION", and "IMPROVEMENT".
- Navigation buttons: "Getting Started", "Status Report", "Manage Project", and "Manage Team".

# Overview of 50001 Ready - Multisite

There is functionality for tracking a multisite effort with a central office with many separate locations working together



[CO] Glen Raven ▾

## Central Office Portfolio View

Central Office Dashboard | Manage Central Office | Manage CO Team | Add Site

Central Office CONTRIBUTOR

Central Office Tasks:  Not Started  In Progress  Ready for Review by Site  Support Only  Completed

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25

Contact	Site Name	Task Progress	Action	Last Activity	Notes	Remove																										
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# 50001 Ready Navigator Tasks



Context of the Organization	Leadership	Planning	Support	Operation	Performance Evaluation	Improvement
1. An EnMS and your Organization	4. Management Commitment	7. Risks to EnMS Success	14. Competence and Training	17. Operational Controls	20. Monitoring and Measurement of the EnMS	24. Corrective Action
2. People and Legal Requirements	5. Energy Policy	8. Energy Data Collection and Analysis	15. Awareness and Communication	18. Energy Considerations in Design	21. Monitoring and Measurement of Energy Performance Improvement	25. Continual Improvement
3. Scope and Boundaries	6. Energy Team and Resources	9. Significant Energy Uses	16. Documenting the EnMS	19. Energy Considerations in Procurement	22. Internal Audit	
		10. Improvement Opportunities			23. Management Review	
		11. Energy Performance Indicators (EnPIs) and Baselines (EnBs)				
		12. Objectives and Targets				
		13. Action Plans for Continual Improvement				

# Context of the Organization (3)

## Building a foundation for your EnMS



*Regarding my EnMS, what are the:*

- *Risks, opportunities and strategic issues;*
- *Legal and other requirements;*
- *Interested parties;*
- *Scope and boundaries?*

# Leadership (3)

## Commitment and guidance from the top



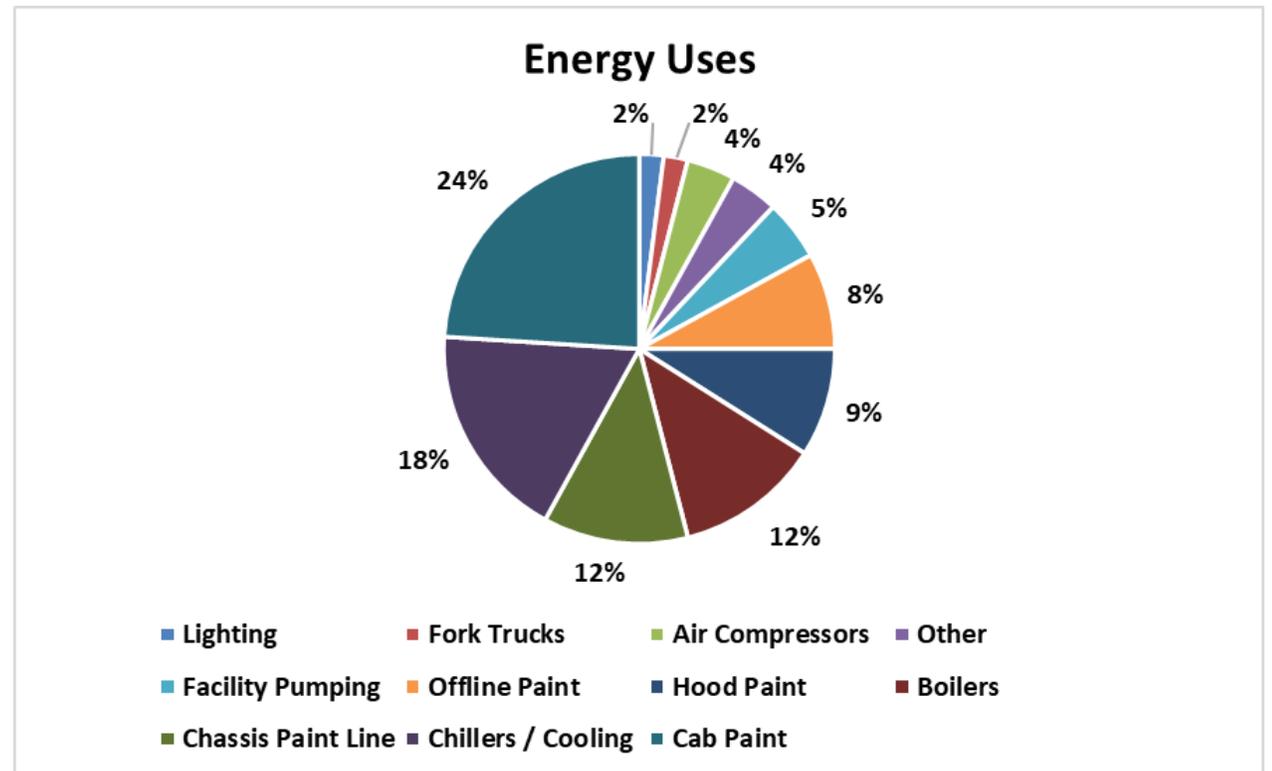
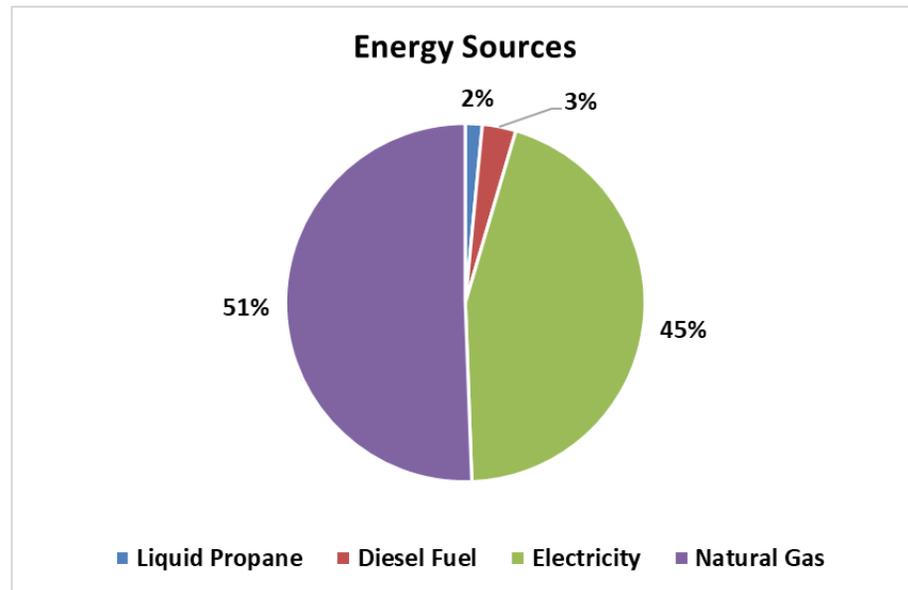
*Is there strong top management commitment to the EnMS?*

*Is there a clear and well-communicated energy policy?*

*Are there adequate resources for the energy team to carry out the implementation of the EnMS?*

# Planning (7) – Two Key Pies

## Understanding your energy performance



*What energy comes into my site?*

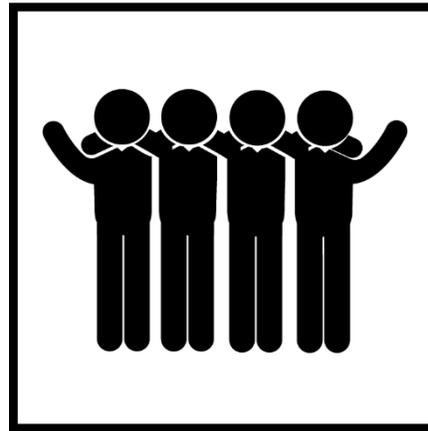
*Where does all this energy go? [SEUs]*

*What are my EnPIs and EnBs?*

*What are my objectives, energy targets & action plans?*

## Support (3)

Ensure all team members who impact energy performance understand their role



*Who impacts energy performance and our EnMS?*

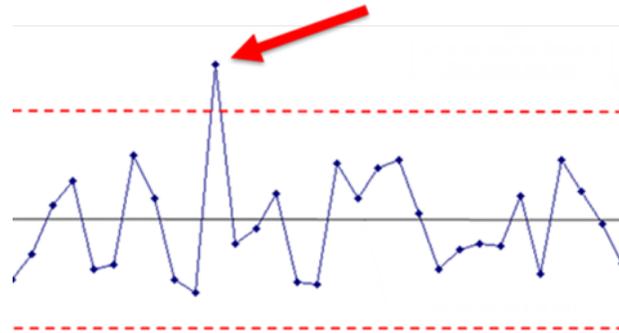
*Are they aware, competent, trained, documented?*

*Is our training for them effective?*

*Do we maintain good documentation and records of our EnMS?*

# Operation (3)

Operate, maintain, design and procure to optimize energy performance



*Do I have good operational and maintenance controls for my SEUs and action plans?*

*Do my operators know what to do when energy expectations are not met?*

*Are design and procurement teams are engaged?*

# Performance Evaluation (4)

Check on how you are doing for both your EnMS and your energy performance improvement



*Are you effectively monitoring and measuring your EnMS and your energy performance improvement?*

*How are your tracking systems working?*

*Are internal audits and management reviews all set up?*

# Continual Improvement (2)

When we check, if things are not okay, then we act to fix them, and we do this in an ongoing method

Continual Improvement



Energy & Cost Reduction Over Time



*Do you have a strong corrective action program to fix and follow up on nonconformities to your EnMS?*

*Do you continually improve both your EnMS and your energy performance?*

# Activity: Walkthrough of the 50001 Ready Navigator

- Creating an account
- Creating a project and the multi-site function
- Explore the 50001 Ready Navigator
  - My Navigator Pull Down Menu
  - FAQs
  - Review the tabs on the tasks
  - Review playbooks
  - Notes, history and assignments tabs
  - Updating your site task status
  - Help



# Overview of 50001 Ready - Guidance

Use the task completion guidance:  
Start with the “Getting It Done” Tab

**Tasks:** Scope and Boundaries

← Previous 1 2 3 Next Section →

**Task 3: We have documented and approved the scope and boundaries of our 50001 Ready energy management system.**

Current Status: **In Progress**

*You are currently not assigned to this task.*

Partner Task Guidance From: FEMP

There are many federal statutory requirements that define upper management responsibilities related to energy. LBNL maintains a reference of related statutory language under the “Resources” tab for this task.

**Detailed Guidance: Scope and Boundaries**

Getting It Done Task Overview Full Description Notes 0 Resources History Assignments

**Getting It Done**

1. Consider the strategic issues and requirements identified as part of Task 1 [An EnMS and Your Organization](#) to determine the scope and boundaries of the energy management system (EnMS).
2. Develop and document an EnMS Scope and Boundaries Statement.

# Overview of 50001 Ready – Cross Reference

## Use the cross-reference to ISO 50001

Tasks: Management Commitment

← Previous Section 4 5 6 NEXT →

**Task 4: Our top management demonstrates leadership and commitment to continual improvement of energy performance and the effectiveness of the 50001 Ready system.**

[Get Help](#)  
50001 Ready Help Desk

Not Started ✕ In Progress ⚙️ Ready For Review 🔍 Completed ✓

Your roles for this task: **Contributor & Approver**

Partner Task Guidance From: FEMP

42 U.S. Code § 8253(f)(2)(A) calls for the selection of an energy manager.

42 U.S. Code § 8262 may be used to clarify roles within the Energy Team.

**Detailed Guidance: Management Commitment**

Getting It Done Task Overview Full Description Notes 🟡 Resources History 👤 Assignments

**Task Overview**

Probably the most critical key to the success of an energy management system (EnMS) is involvement and commitment by top management. This does not mean top management needs to be at energy team meetings and approve all decisions but they need to provide honest, constant, and visible commitment to the concept and implementation of the EnMS. In addition to providing the leadership needed to improve energy performance and the EnMS, top management must demonstrate that they perform the specific responsibilities assigned to them within the continual improvement framework of the EnMS. Not only does top management approve and authorize an EnMS, they are responsible and accountable for ensuring its ongoing suitability, adequacy, and effectiveness.

*This guidance is relevant to Section 5.1 of the ISO 50001:2018 standard.*



# Overview of 50001 Ready - Playbooks

Download and use the “playbook” resource for each task. These are word documents that can be filled in with your information.

Tasks: Energy Policy

← Previous 4 5 6 NEXT →

**Task 5: We have an energy policy statement, which has been approved by top management and communicated across the organization.**

**Get Help**  
50001 Ready Help Desk

Current Status: **In Progress**  
*You are currently not assigned to this task.*

Partner Task Guidance From: FEMP

42 U.S. Code § 8253 contains the core of the federal requirements related to energy performance and energy management that may be used for this Navigator task.

**Detailed Guidance: Energy Policy**

Getting It Done Task Overview Full Description Notes Resources History Assignments

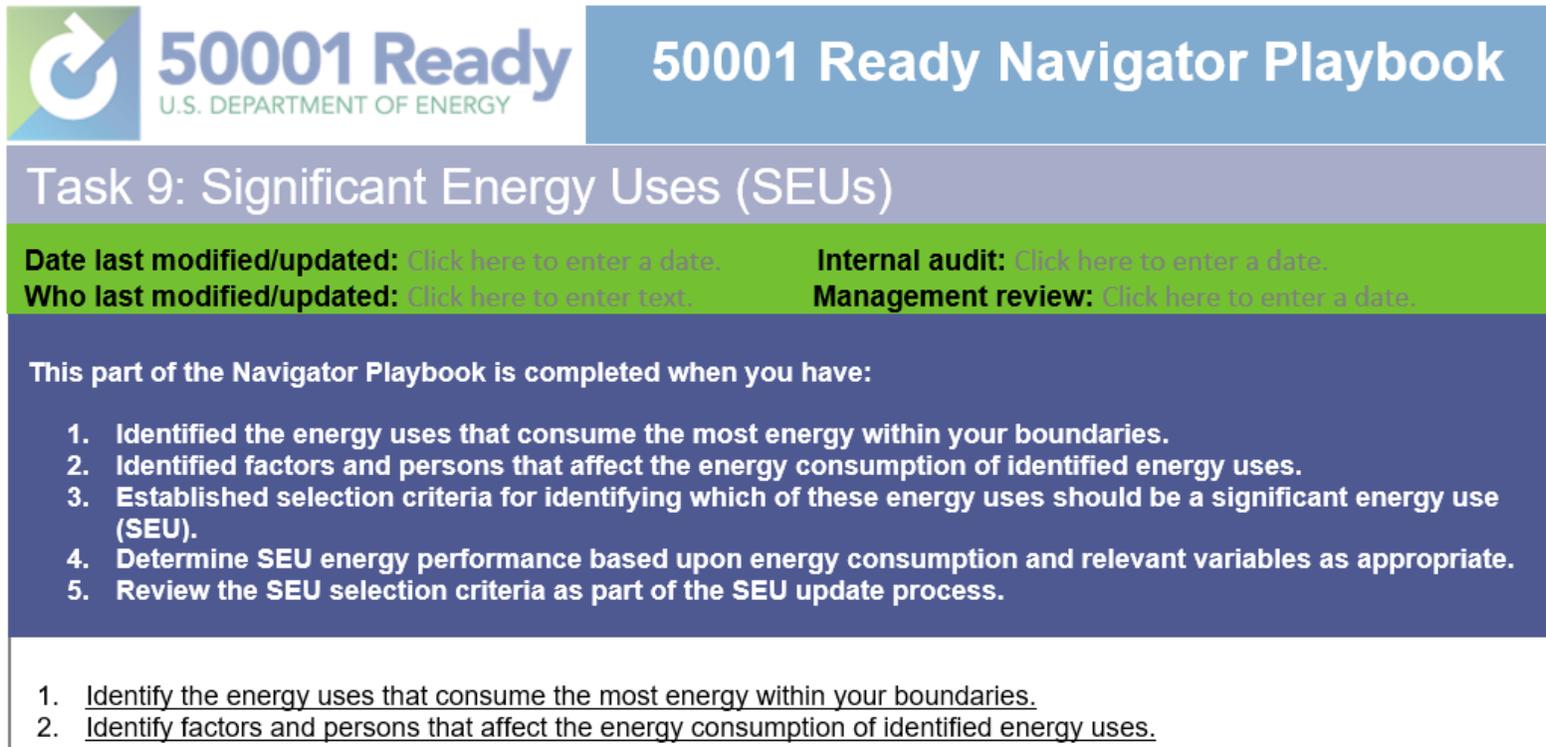
Resources

Name	Type	Description
<a href="#">50001 Ready Playbook Task 05</a>	docx	Energy Policy

# Task 9: Playbook - EXAMPLE

- Look at Task 9 in 50001 Ready
- Look at the Task 9 Playbook

Activity



**50001 Ready**  
U.S. DEPARTMENT OF ENERGY

## 50001 Ready Navigator Playbook

### Task 9: Significant Energy Uses (SEUs)

**Date last modified/updated:** [Click here to enter a date.](#)      **Internal audit:** [Click here to enter a date.](#)  
**Who last modified/updated:** [Click here to enter text.](#)      **Management review:** [Click here to enter a date.](#)

This part of the Navigator Playbook is completed when you have:

1. Identified the energy uses that consume the most energy within your boundaries.
2. Identified factors and persons that affect the energy consumption of identified energy uses.
3. Established selection criteria for identifying which of these energy uses should be a significant energy use (SEU).
4. Determine SEU energy performance based upon energy consumption and relevant variables as appropriate.
5. Review the SEU selection criteria as part of the SEU update process.

1. Identify the energy uses that consume the most energy within your boundaries.  
2. Identify factors and persons that affect the energy consumption of identified energy uses.



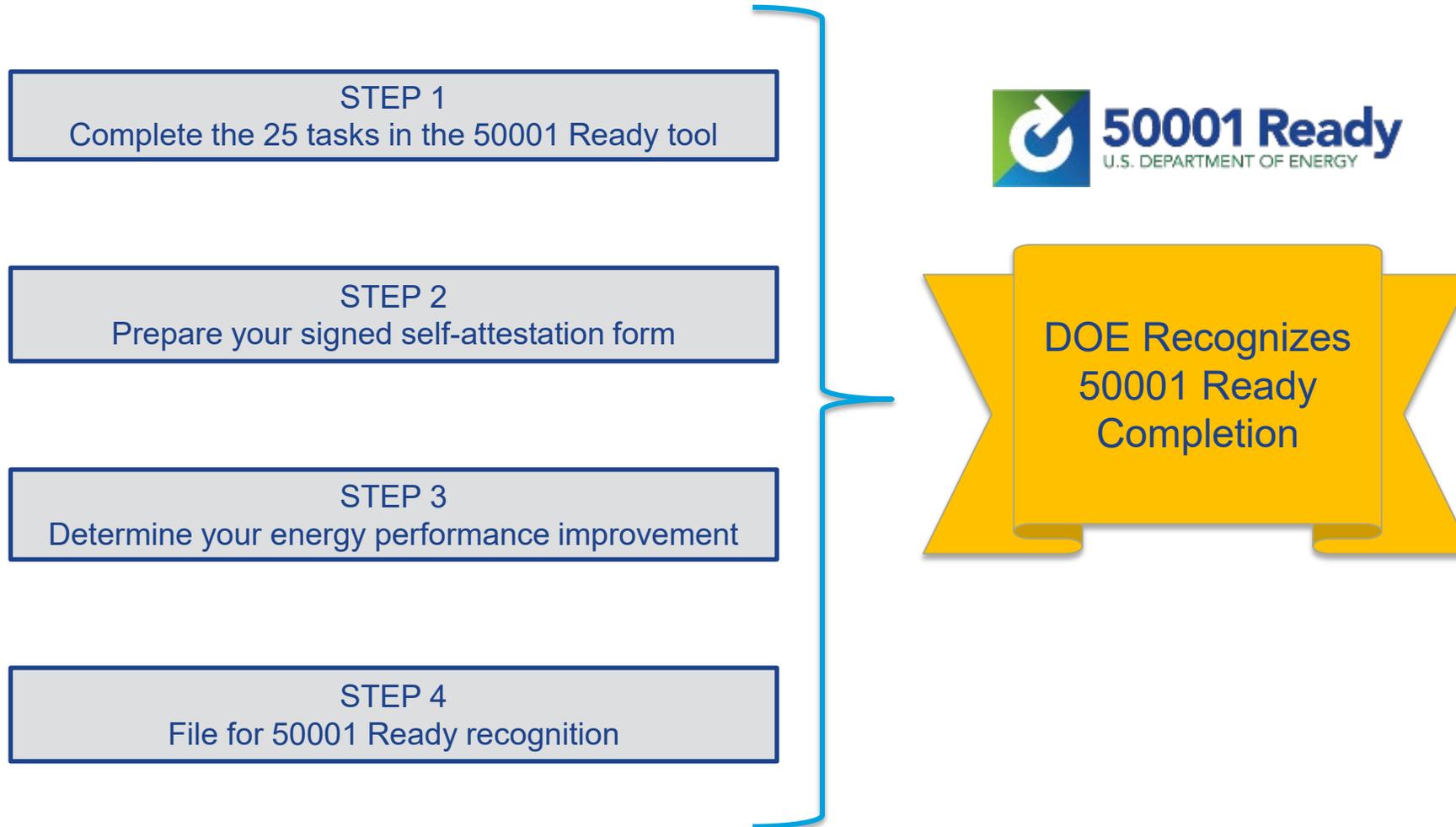
Word Documents

# Overview of 50001 Ready - Goals

- Gain an understanding of ISO 50001
- Use the 50001 Ready Navigator tool to complete the 25 tasks
- Gain DOE recognition for self-attesting to this completion
- Demonstrate continual energy performance improvement (now a “shall” in ISO 50001: 2018)
- Improve overall plant operations



# Overview of 50001 Ready – Goals - Recognition



# Overview of 50001 Ready: Summary



# Survey Says.....

4 out of 5 energy consultants surveyed\*  
recommend you use



To prevent this from happening to your  
energy team



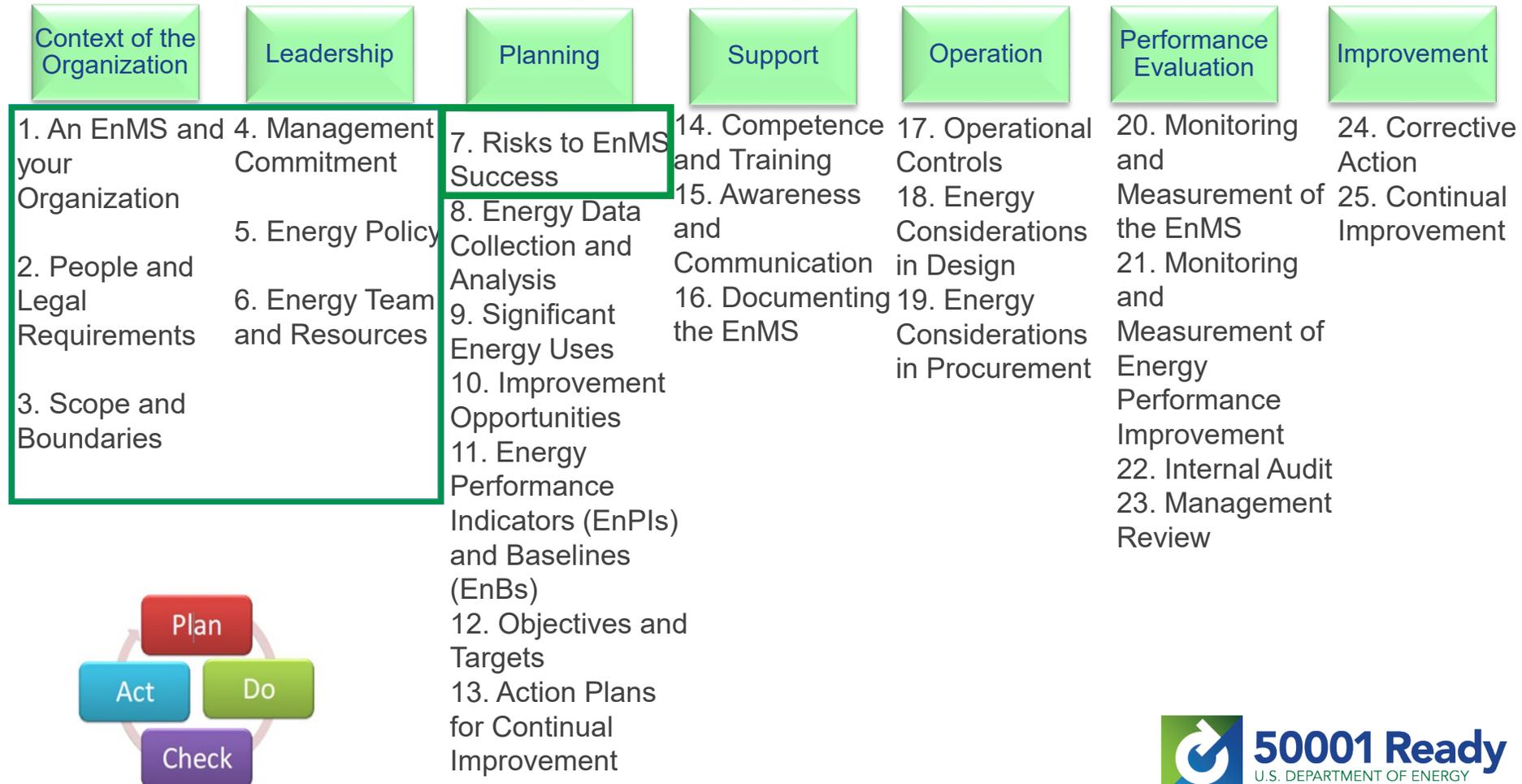
\*No actual survey was taken. This is just used to make a point.

# Training Schedule & Preparations

## Kahoot Quiz Game

### Q&A

# 50001 Ready Navigator Tasks: Webinar #2



# Training Schedule: By Session

1. An Overview – TODAY – February 17
2. Laying the Foundation of 50001 – Next-February 24
3. Where does all the Energy Go? – March 3
4. Sorting out the Energy Data – March 10
5. Engaging Other Functions – March 17 
6. Evaluating Performance – March 24
7. Ensuring Continual Improvement – March 31
8. Wrap Up and Next Steps – April 7

Always on  
Tuesdays @  
10:00 a.m. –  
12:30 p.m.  
Eastern

# Preparation for Session TWO

- We recommend that you purchase the ISO 50001: 2018 standard
- Send in info so that we can help you set up your 50001 Ready account. This will help you get the most out of the training.
- Prepare for Session TWO:
  - Review task 1-7 in the 50001 Ready navigator
    - “Getting it Done” section gives a great overview
  - Consider your legal requirements (2).
  - Consider your scope and boundaries (3).
  - Do you have top management commitment (4)?
  - Do you have an energy policy (5)?
  - Do you have an energy team (6)?



Review Session ONE  
HW Questionnaire

# Polling Question 3

Polling Question

- 3) After listening to today's webinar session, how do you feel about 50001 Ready as a resource to help you with your energy management plans:
- A. Overwhelmed
  - B. Cautiously optimistic
  - C. Very encouraged
  - D. Ready to get Ready

# Overview of 50001 Ready - Resources

- 50001 Ready Program
  - <https://www.energy.gov/eere/amo/50001-ready-program>
- 50001 Ready Navigator
  - <https://navigator.lbl.gov/>
- Energy Footprint Tool
  - <https://www.energy.gov/eere/amo/downloads/energy-footprint-tool>
- EnPI Lite Tool
  - <https://enpilite.lbl.gov/>
- 50001 Ready at Better Building
  - <https://betterbuildingsolutioncenter.energy.gov/better-plants/software-tools>

# And now, our Kahoot Quiz Review Game



# Question and Answer Time



# Thank You!



- Michael L. Stowe, PE, CEM
- ORNL Virtual INPLT 50001 Ready Trainer
- Owner/Principal Engineer
- Stowe & Sons PLLC
- [michael@stoweandsons.com](mailto:michael@stoweandsons.com)
- (919) 904-0279