



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

**ORNL 50001 Ready Training  
Webinar Series, Session 2  
February 24, 2026  
10:00 a.m. to 12:30 p.m.**

# Agenda – Session TWO

- Welcome, Safety, and Housekeeping
- Review Previous Sessions
- Today's Content – **Building the Foundation**
  - Section 1: Context of the Organization
    - Tasks 1, 2 & 3
  - Section 2: Leadership
    - Tasks 4, 5 & 6
  - Section 3: Planning
    - Tasks 7
- Webinar Training Schedule & Preparations
- Kahoot Quiz Game
- Q&A

Task 7 ties back to Task 1



But first, a POLL!



# Polling Question 1

Polling Question

- 1) The 50001 Ready navigator tool is a great resource. What is your status / plans for getting an account set up in 50001 Ready for your organization / sites?
- A. I have a single site account set up
  - B. I have a multi-site account set up
  - C. I plan to get a single or multi-site account set up soon
  - D. I am undecided if I will get an account set up
  - E. For now, I do not plan to set up an account for my organization / sites

# 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 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



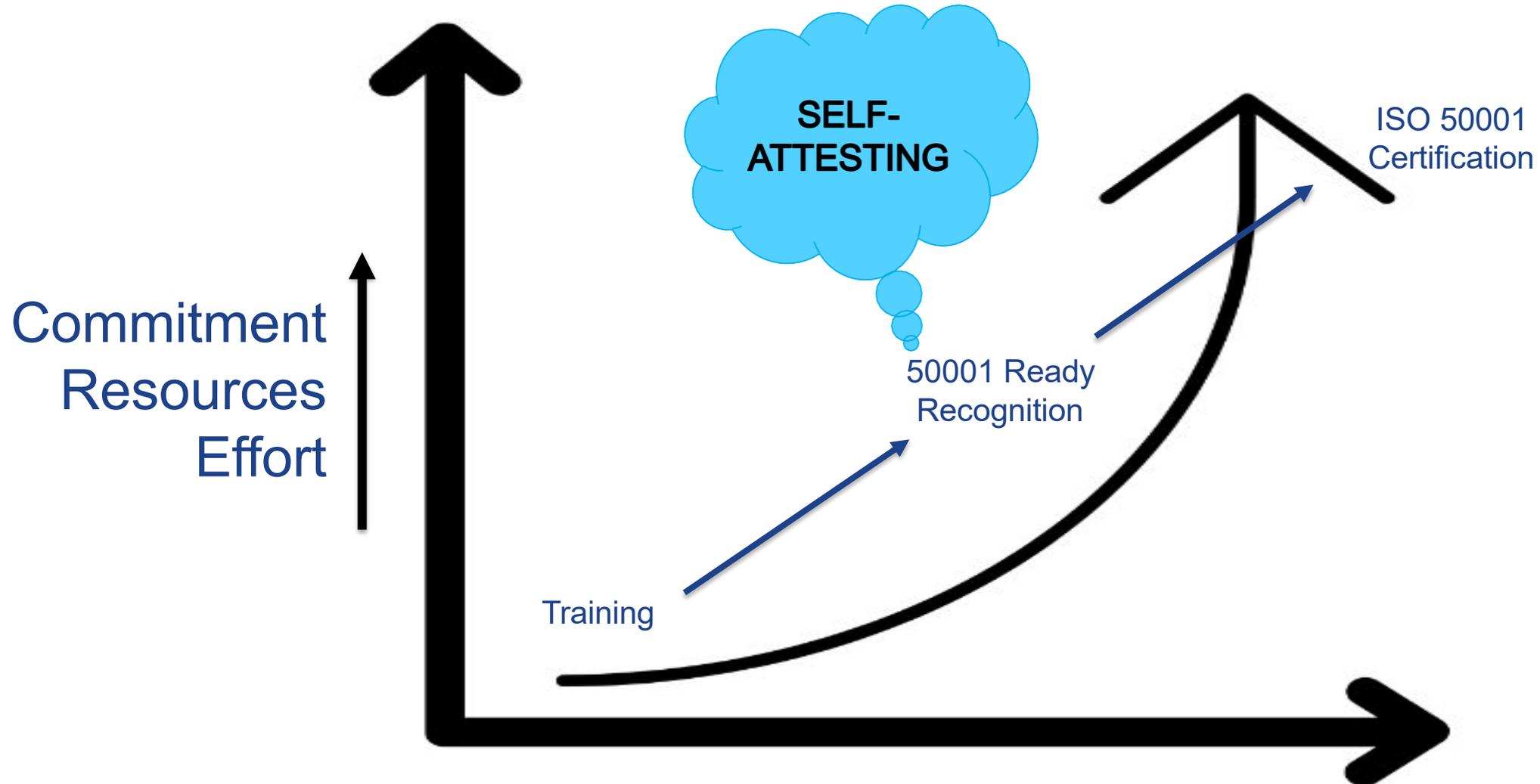
# Review of Previous Sessions

# Quick List of Acronyms

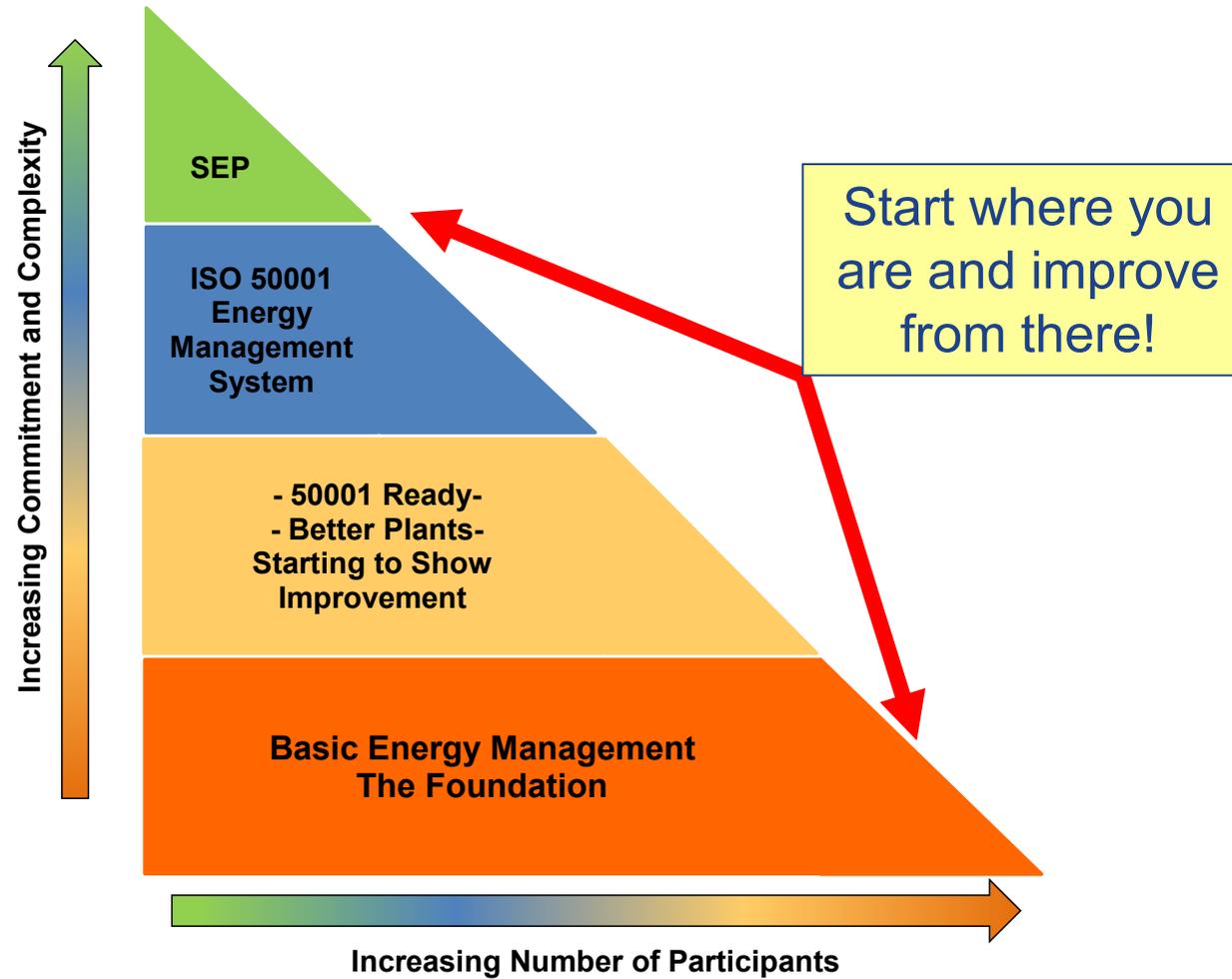
- SEM = Strategic Energy Management
- EnMS = Energy Management System
- SEU = Significant Energy Use
- EnPI = Energy Performance Indicator
- EnB= Energy Baseline
- PDCA = Plan, Do, Check, Act – REPEAT!



# Pathways for 50001 Energy Management



# Why SEM? - The Continuum



# The 50001 Ready Navigator – Your Account



## 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 energy 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 your 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 standard.

### Explore the Navigator

**Dashboard**

All 50001 Ready Navigator Tasks Completed  
For 2024 Requirements, visit [Accounting Elements](#) and [Support Navigation](#)

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. People and Resources	Michael E Miller	Michael E Miller	Completed	11/09/2019		

# Why 50001?: A System

[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

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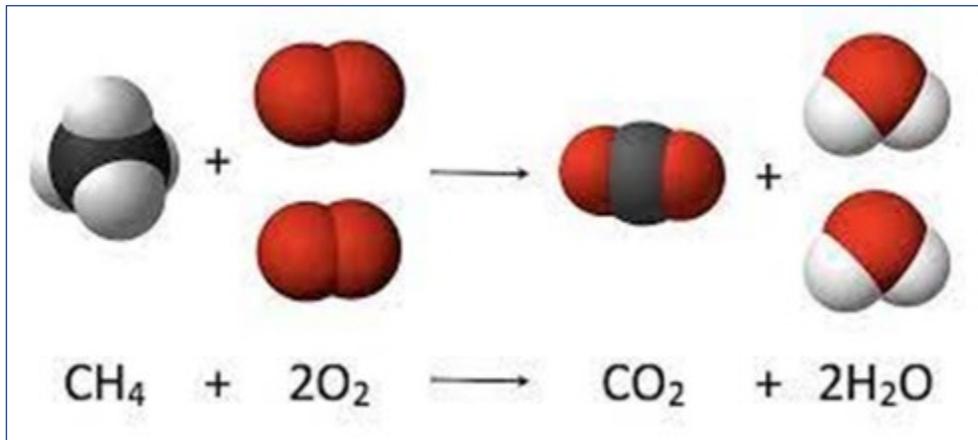
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- None of your site info is uploaded
- Single site or multi-site capability

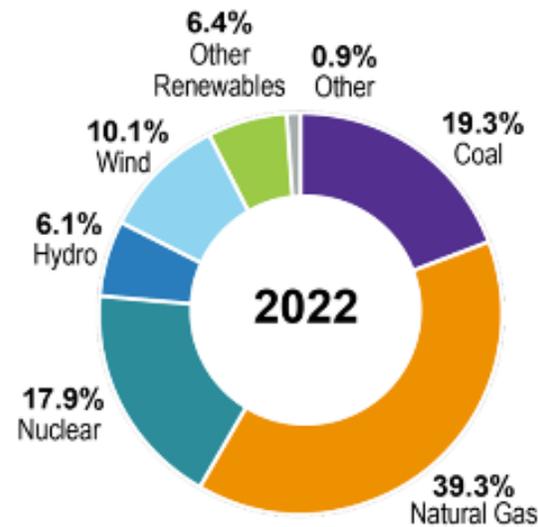


# Why SEM? – The Energy –Carbon Connection

- 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, geothermal, 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.

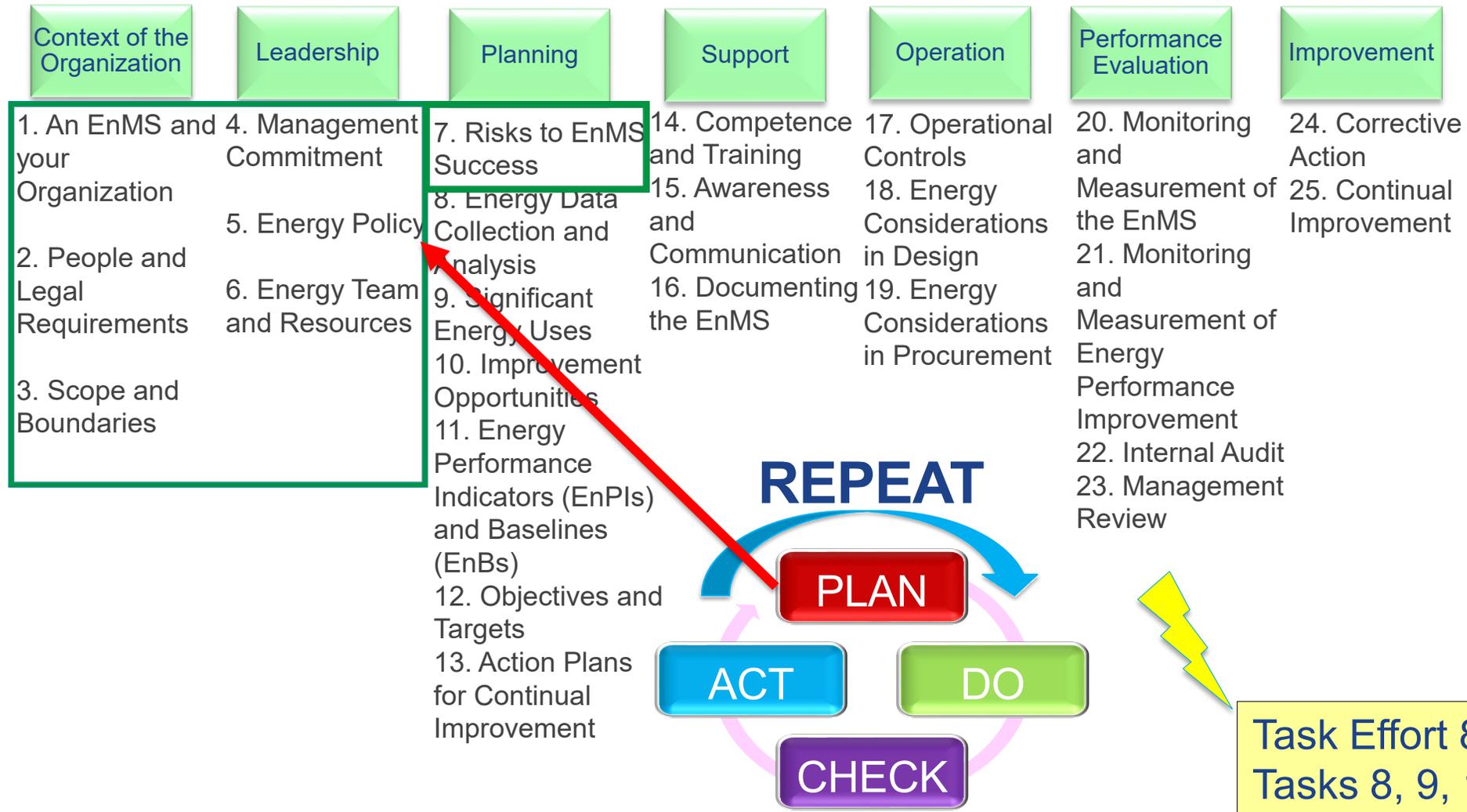
Source: U.S. Department of Energy, Energy Information Administration.

EEl



# Today's Content: Tasks 1-7

# 50001 Ready Navigator: Today's Tasks



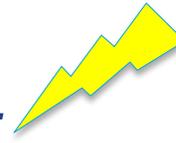
# Context of the Organization (Tasks 1-3), plus Task 7

## Building a foundation for your EnMS



*Regarding my EnMS, what are the:*

- *Risks, opportunities and strategic issues (1 & 7);*
- *Legal and other requirements (2);*
- *Interested parties (2);*
- *Scope and boundaries (3)?*

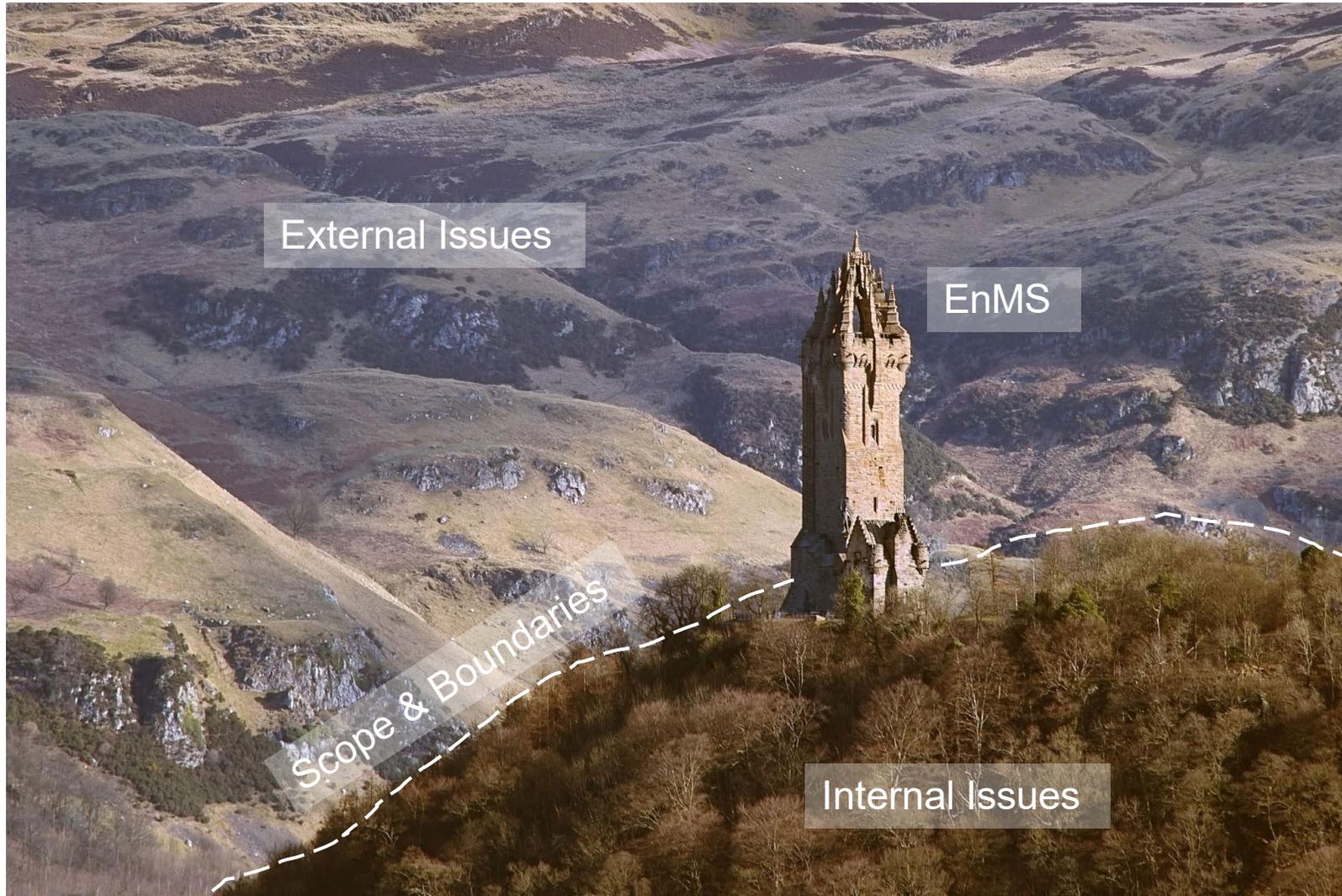


# Task 1: An EnMS and Your Organization

- Task 1: We determine the strategic issues that affect our ability to improve our energy performance and achieve the goals of our 50001 Ready EnMS.



# Context of the Organization (Tasks 1–3)



# Task 1: Internal Issues



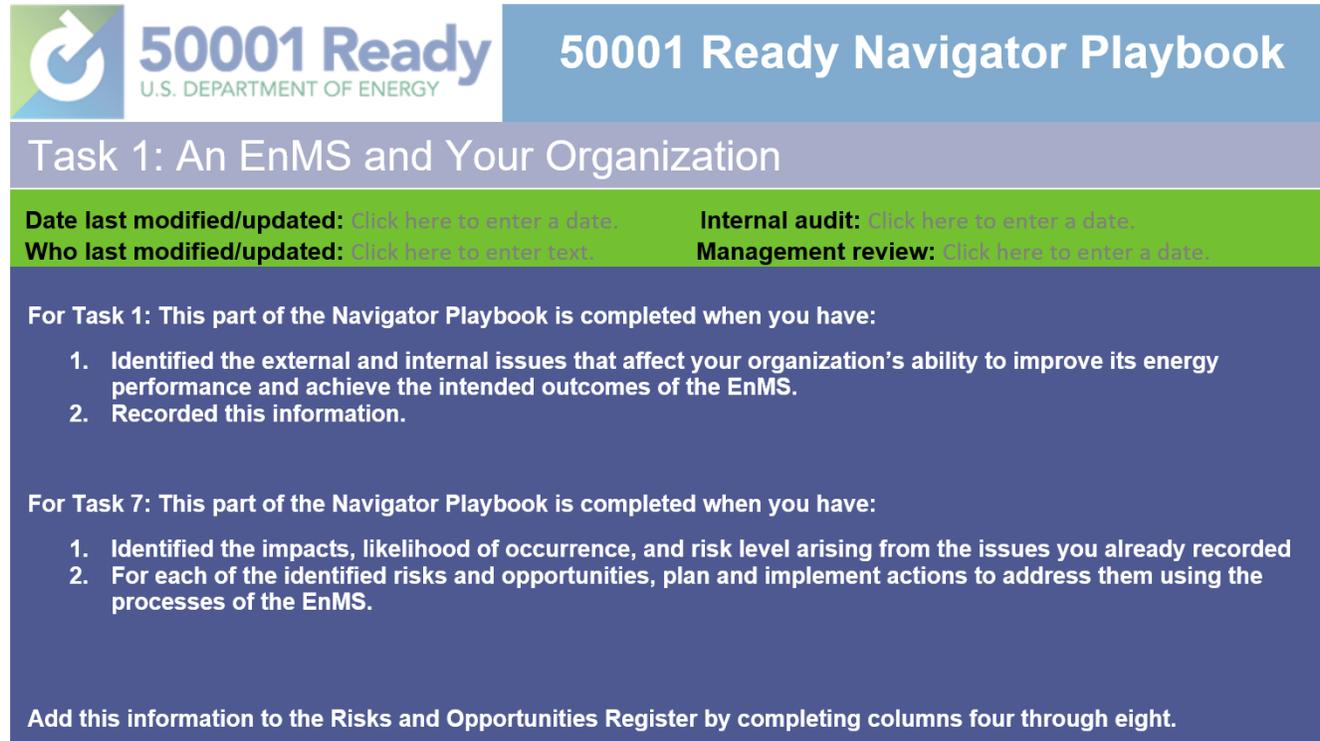
# Task 1: External Issues



# Task 1: Playbook

Activity

- Look at Task 1 in 50001 Ready
- Look at the Task 1 Playbook



The screenshot shows the '50001 Ready Navigator Playbook' page for 'Task 1: An EnMS and Your Organization'. The page header includes the '50001 Ready U.S. DEPARTMENT OF ENERGY' logo and the title '50001 Ready Navigator Playbook'. Below the title is the task name 'Task 1: An EnMS and Your Organization'. A green bar contains metadata: '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.', and 'Management review: Click here to enter a date.'. The main content area is dark blue and contains two sections: 'For Task 1: This part of the Navigator Playbook is completed when you have:' followed by a list of two items, and 'For Task 7: This part of the Navigator Playbook is completed when you have:' followed by a list of two items. At the bottom, it says 'Add this information to the Risks and Opportunities Register by completing columns four through eight.'

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

## 50001 Ready Navigator Playbook

### Task 1: An EnMS and Your Organization

**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.](#)

**For Task 1:** This part of the Navigator Playbook is completed when you have:

1. Identified the external and internal issues that affect your organization's ability to improve its energy performance and achieve the intended outcomes of the EnMS.
2. Recorded this information.

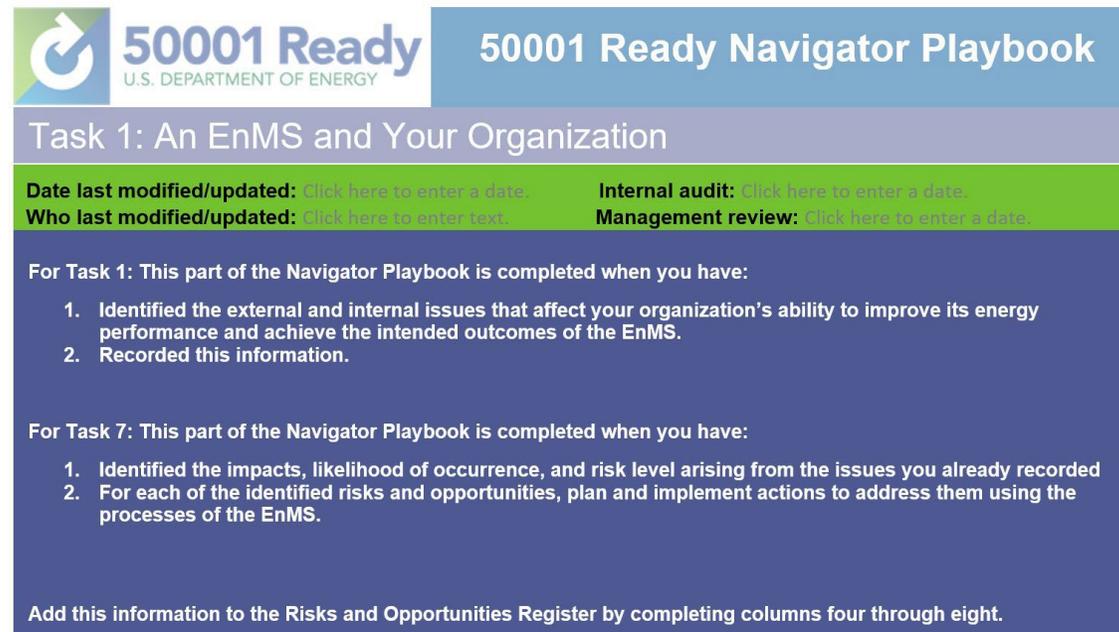
**For Task 7:** This part of the Navigator Playbook is completed when you have:

1. Identified the impacts, likelihood of occurrence, and risk level arising from the issues you already recorded
2. For each of the identified risks and opportunities, plan and implement actions to address them using the processes of the EnMS.

Add this information to the Risks and Opportunities Register by completing columns four through eight.

# Playbooks Are Guides

- Use them to help you, but don't let them become barriers
- Let them guide you to connect existing processes to 50001



The screenshot shows the '50001 Ready Navigator Playbook' interface. At the top left is the '50001 Ready U.S. DEPARTMENT OF ENERGY' logo. The main title is '50001 Ready Navigator Playbook'. Below this is a section for 'Task 1: An EnMS and Your Organization'. A green bar contains metadata fields: '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.', and 'Management review: Click here to enter a date.'. The main content area is dark blue and contains instructions for completing Task 1 and Task 7, followed by a note to add information to the Risks and Opportunities Register.

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U.S. DEPARTMENT OF ENERGY

## 50001 Ready Navigator Playbook

### Task 1: An EnMS and Your Organization

**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.](#)

For Task 1: This part of the Navigator Playbook is completed when you have:

1. Identified the external and internal issues that affect your organization's ability to improve its energy performance and achieve the intended outcomes of the EnMS.
2. Recorded this information.

For Task 7: This part of the Navigator Playbook is completed when you have:

1. Identified the impacts, likelihood of occurrence, and risk level arising from the issues you already recorded
2. For each of the identified risks and opportunities, plan and implement actions to address them using the processes of the EnMS.

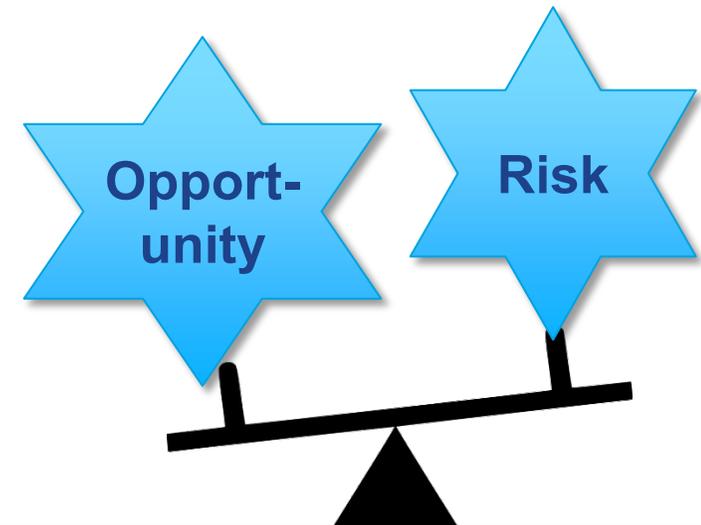
Add this information to the Risks and Opportunities Register by completing columns four through eight.

# Task 7: Risks to EnMS Success (in Planning)

Task 7: We determine strategic risks and opportunities to ensure that our organization can achieve the intended outcomes of our EnMS and energy performance improvement.

We plan and implement actions to address these risks and opportunities and evaluate the effectiveness of the actions taken.

**In other words:  
What gets in the way of  
your success? ...and  
What helps?**



# Task 7: Key Terms

- Risk: Something that poses a threat
- Opportunity: Something that has the potential for a positive impact



The Energy Team defines methods for identifying and assessing these items

# Task 7: Risk Examples

## EnMS

- Contracted design team that doesn't follow specs
- Disconnect between changing reporting requirements and EnMS system
- Complicated data collection processes
- High turnover in operational controls positions for SEUs

## Energy Performance Improvement

- Weather that is much hotter or colder than expected
- Severe weather such as hurricanes, tornadoes and thunderstorms
- Poorly maintained equipment that decreases in efficiency over time
- Long and difficult capital approval processes or limited capital resources



# Task 7: Actions to address these risks & opportunities

- Risk and opportunities must be evaluated in terms of how they impact the success of:
  - The EnMS
  - Continual energy performance improvement
- Once the risks and opportunities have been identified, plan actions to address them as part of your EnMS
- Be able to demonstrate this process to an auditor



# Task 7: Playbook

Activity

- Look at Task 7 in 50001 Ready
- Look at the Task 7 Playbook (which is tied back to Task 1)

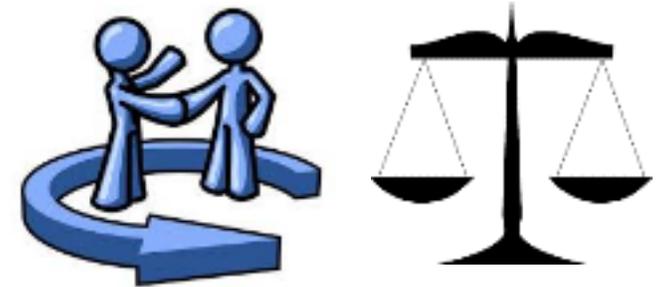


The screenshot shows the '50001 Ready Navigator Playbook' for 'Task 7: Risks to EnMS Success'. It includes a header with the '50001 Ready U.S. DEPARTMENT OF ENERGY' logo and the title '50001 Ready Navigator Playbook'. Below the title is the task name 'Task 7: Risks to EnMS Success'. A green bar contains metadata fields: '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.', and 'Management review: Click here to enter a date.'. A dark blue bar contains the text 'This part of the Navigator Playbook is completed when you have:' followed by a numbered list of three items: 1. Identified the risks and opportunities pertaining to the ability of your EnMS to achieve its intended outcomes. 2. For each of the identified risks and opportunities, planned and implemented actions to address them using the processes of the EnMS and record this information. 3. Planned for how the actions taken will be evaluated for effectiveness. Performed an effectiveness evaluation.

# Task 2: People and Legal Requirements Affecting the EnMS

Task 2: We determine the interested parties and energy-related legal and other requirements relevant to our energy performance and the energy management system.

At defined intervals, we review these requirements and evaluate our compliance with them.



# Task 2: Interested Parties, Plus Requirements



# Task 2: Relative to the Audit Process

- REMEMBER THIS!
- Anything that you invoke on yourself as an EnMS requirement in Task 2 becomes part of the audit criteria that will be evaluated later, either internally or by a third party
- Items that you voluntarily participate in like Better Plants and ISO 50001 would be considered “other” requirements



# Task 2: Playbook

Activity

- Look at Task 2 in 50001 Ready
- Look at the Task 2 Playbook

The screenshot shows the '50001 Ready Navigator Playbook' for 'Task 2: People and Legal Requirements Affecting the EnMS'. It includes a header with the '50001 Ready U.S. DEPARTMENT OF ENERGY' logo and the title '50001 Ready Navigator Playbook'. Below the title is a green bar with fields for 'Date last modified/updated', 'Internal audit', 'Who last modified/updated', and 'Management review'. The main content area is dark blue and contains a list of five steps for Task 1. At the bottom, there are two numbered steps: '1. Identify interested parties and' and '2. Determine their needs and expectations'.

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

## 50001 Ready Navigator Playbook

### Task 2: People and Legal Requirements Affecting the EnMS

**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](#)

For Task 1: This part of the Navigator Playbook is completed when you have:

1. Identified and recorded the interested parties relevant to your organization's energy performance and EnMS using the Worksheet or similar document.
2. Determined the needs and expectations of these interested parties as they relate to your organization's EnMS.
3. Identified the applicable legal and other requirements related to energy.
4. Assigned responsibilities and establish a frequency for reviewing and updating the completed matrix.
5. Implemented a process to periodically evaluate compliance with the identified requirements.

1. Identify interested parties and
2. Determine their needs and expectations

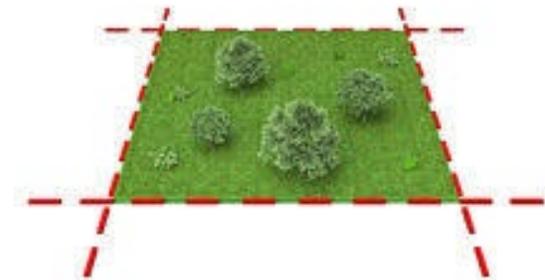
# Task 3: Scope and Boundaries

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

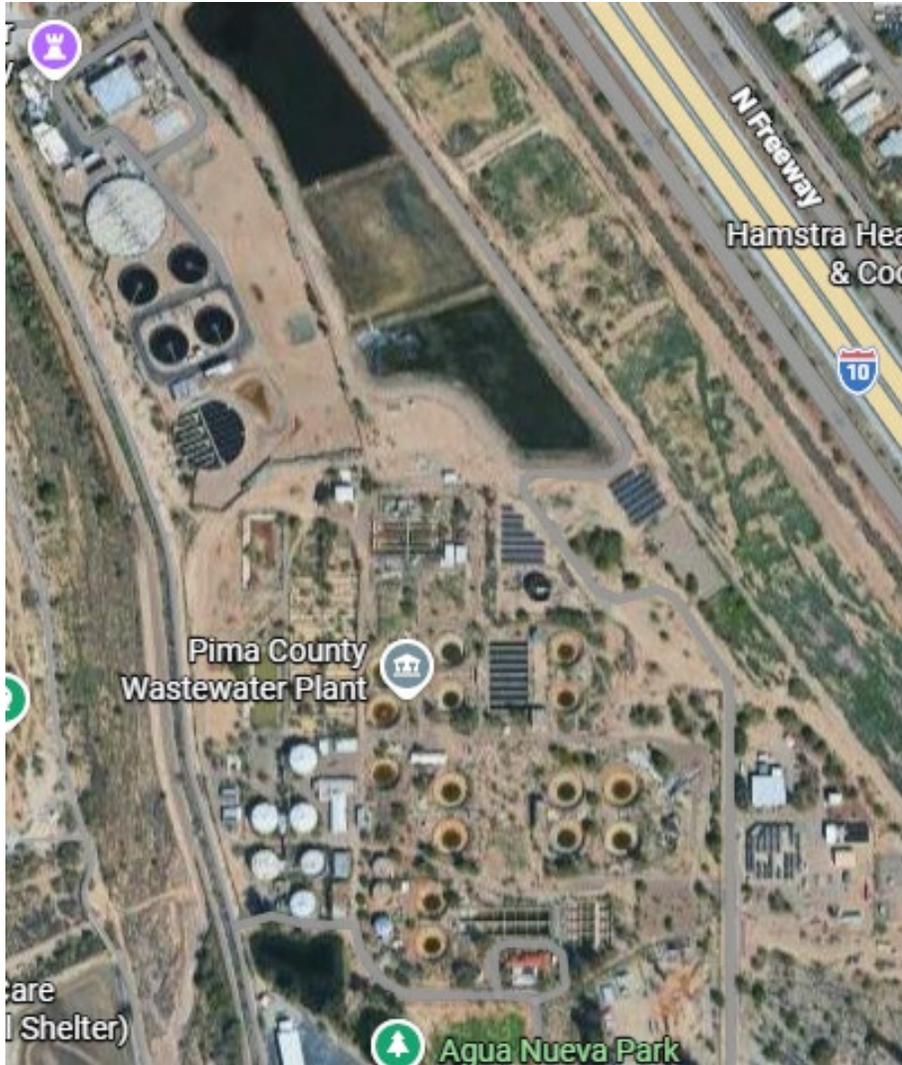


“The organization shall ensure that it has the authority to control its energy efficiency, energy use and energy consumption within the scope and boundaries.”

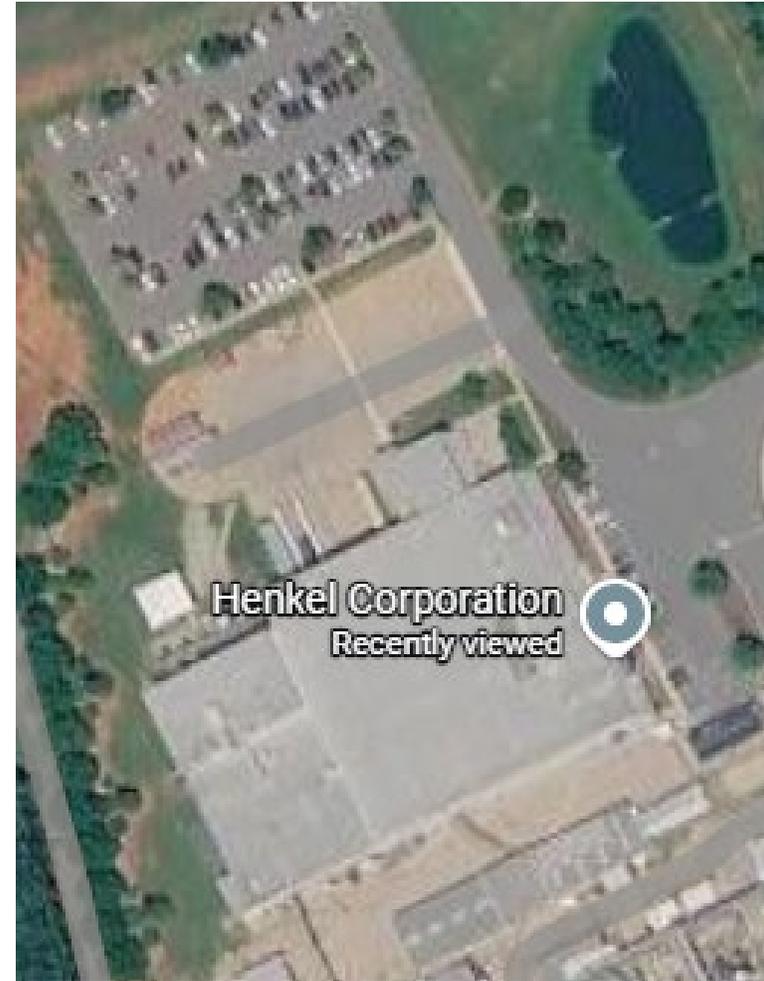
“The organization shall not exclude an energy type within the scope and boundaries.”



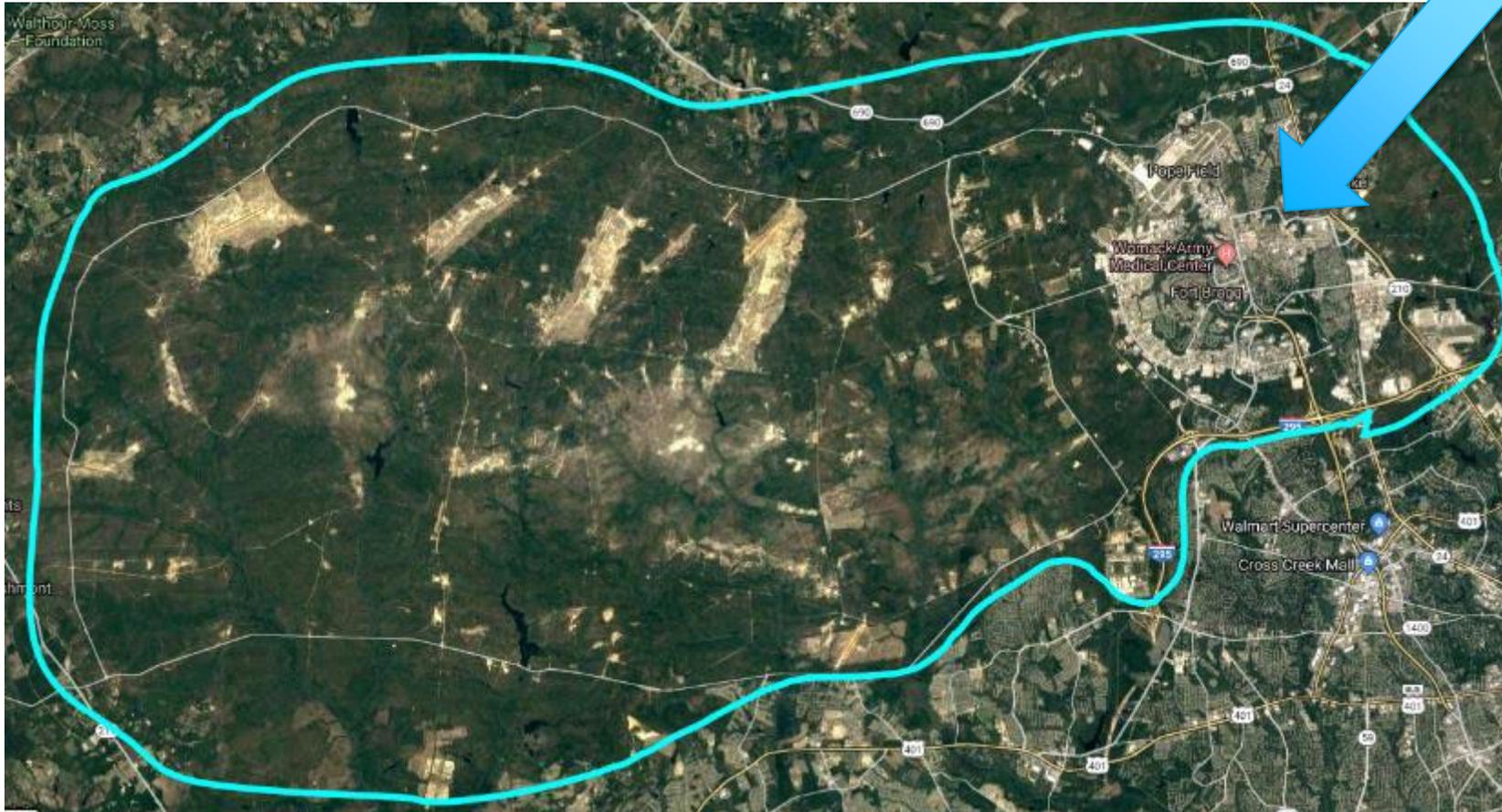
# Task 3: Boundary Examples



# Task 3: Boundary Examples



# Task 3: A Big Scope and Boundary



# Task 3: Playbook

Activity

- Look at Task 3 in 50001 Ready
- Look at the Task 3 Playbook



## 50001 Ready Navigator Playbook

### Task 3: Scope and Boundaries

**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. Considered the strategic issues and requirements identified as part of Task 1 (An EnMS and Your Organization) determined the scope and boundaries of the energy management system (EnMS).
2. Developed an EnMS Scope and Boundaries Statement.

---

1. Determine Scope and Boundaries
  - We considered the strategic issues and requirements identified in Task 1 (An EnMS and Your Organization) before determining our scope and boundaries.
  - Identified the extent of activities, facilities, and decision structures to be included in your EnMS

# Polling Question 2

Polling Question

## 2) Thinking about Tasks 1 – 3 & 7:

Task 1: An EnMS and Your Organization

Task 2: People and Legal Requirements Affecting the EnMS

Task 3: Scope and Boundaries

Task 7: Risks to EnMS Success

Where do you feel your organization is relative to these four tasks?

- A. We already have all of this in place based on other ISO systems and/or our current energy management program. Just a little tweaking is needed.
- B. These sound familiar and my organization has some of this in place. It would not take too much effort to complete these.
- C. Most of this is new to my organization, but we do have some basics in place. It would take some effort to get this in place.
- D. I would have to start from scratch to get these tasks completed.
- E. I do not know where our organization is with respect to completing these tasks.

# Leadership (Task 4 - 6)

## Commitment and guidance from the top



*Is there strong top management commitment to the EnMS (4)?*

*Is there a clear and well-communicated energy policy (5)?*

*Are there adequate resources for the energy team to carry out the implementation of the EnMS (6)?*

# Task 4: Management Commitment

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



# Task 4: Questions to Ask

- Where does top management reside?
  - At an individual sites?
  - At a central office?
  - At a level above the central office?
- Who sets the energy policy?
- Who will do the management review?
- Who will establish and confirm management commitment?
  - Use the 50001 Ready Navigator Task 4 playbook resource

# Task 4: Management Responsibility

- ✓ Ensure that scope and boundaries are established
- ✓ Ensure the energy policy and objectives and targets are established
- ✓ Ensure integration of EnMS requirements into business process.
- ✓ Ensures that actions plans are approved and implemented
- ✓ Ensure adequate resources are available
- ✓ Communicate the importance of effective energy management and conforming to EnMS requirements
- ✓ Ensure the EnMS achieves intended outcomes

- ✓ Promote continual improvement of energy performance and the EnMS
- ✓ Ensure the formation of the energy team
- ✓ Direct and support persons to contribute to the effectiveness of the EnMS and energy performance improvement
- ✓ Support other management roles to demonstrate leadership
- ✓ Ensure that EnPI(s) appropriately represent energy performance
- ✓ Ensure that processes are established and implemented to identify and address changes affecting the EnMS and energy performance

# Task 4: Speak the Language



# Task 4: What is the Commitment?

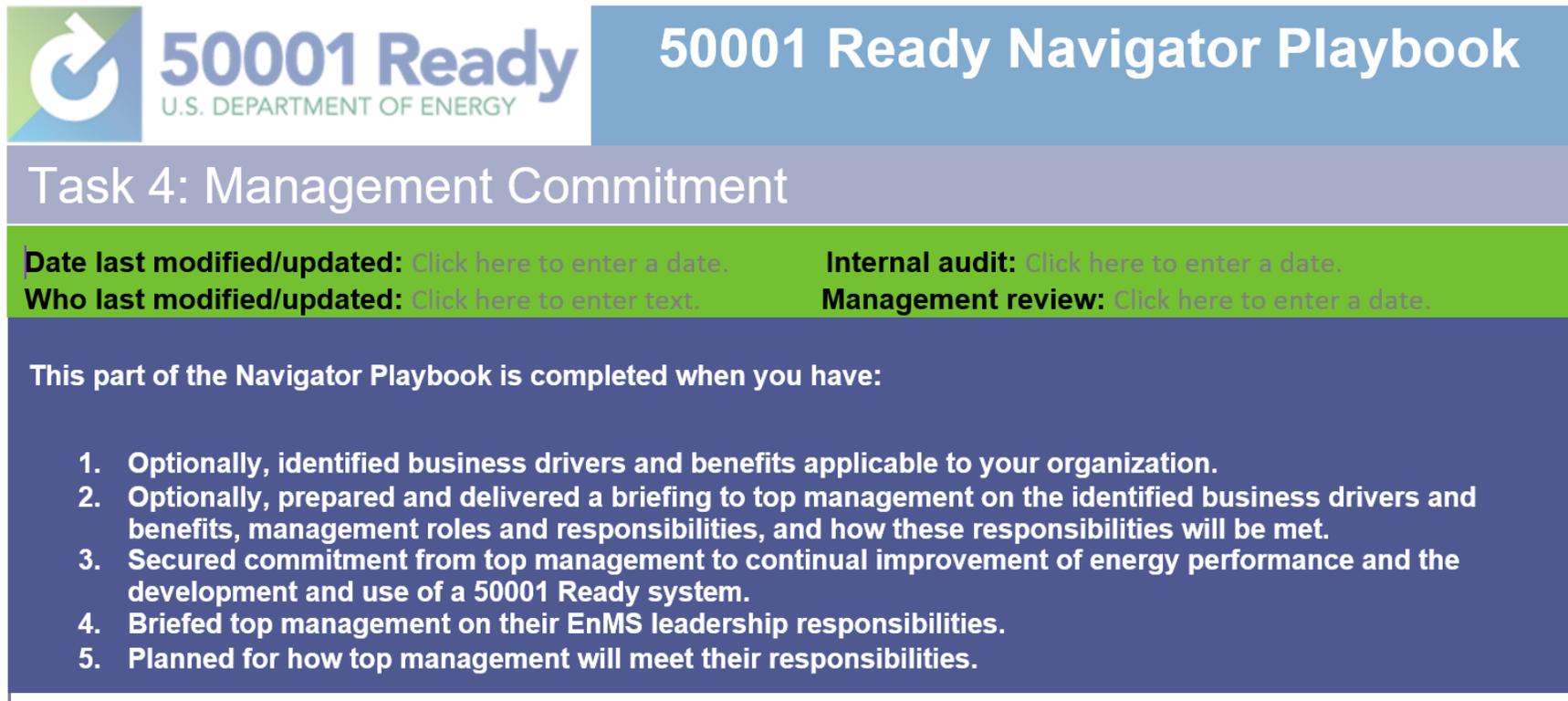
- **STRONG** management commitment is essential:
  - Allow time for energy team participation
  - Allow time for EnMS development
  - Provide resources needed to succeed
  - Provide resources for travel to trainings, as needed
  - Provide capital funding for energy improvement
  - Communicate energy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



# Task 4: Playbook

Activity

- Look at Task 4 in 50001 Ready
- Look at the Task 4 Playbook



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## 50001 Ready Navigator Playbook

### Task 4: Management Commitment

**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. Optionally, identified business drivers and benefits applicable to your organization.
2. Optionally, prepared and delivered a briefing to top management on the identified business drivers and benefits, management roles and responsibilities, and how these responsibilities will be met.
3. Secured commitment from top management to continual improvement of energy performance and the development and use of a 50001 Ready system.
4. Briefed top management on their EnMS leadership responsibilities.
5. Planned for how top management will meet their responsibilities.

# Polling Question 3

Polling Question

- 3) At this point in your organization's energy management journey, please estimate your top management's understanding and commitment to implementing a 50001 based EnMS:
- A. My top management totally gets it and I feel fully supported
  - B. I know my top management believes that energy management is a good thing, but I do not think that they fully understand the resource requirements for a 50001 Ready implementation
  - C. I am just learning about 50001 and will need to educate my top management on this and see where we go from there
  - D. I think this is going to be a real uphill battle with my top management
  - E. I do not know

# Task 5: Energy Policy

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



# Task 5: Energy Policy Requirements

- Is appropriate to the purpose of the organization
- Provides a framework for setting and reviewing objectives and energy targets
- Includes a commitment to ensure the availability of information and necessary resources to achieve objectives and energy targets
- Includes a commitment to satisfy applicable legal requirements and other requirements
- Includes a commitment to continual improvement of energy performance and the EnMS
- Supports the procurement of energy efficient products and services that impact energy performance
- Supports design activities that consider energy performance improvement.



**We shall  
save  
energy!**

# Task 5: The Energy Policy Shall...

- 
- The energy policy shall:
    - Be available as documented information
    - Be communicated within the organization
    - Be available to interested parties, as appropriate
    - Be periodically reviewed and updated as necessary

# Task 5: Example Energy Policy

**As an energy intense facility, we strive to reduce our energy consumption and costs to promote the long-term environmental and economic sustainability of our operations.**

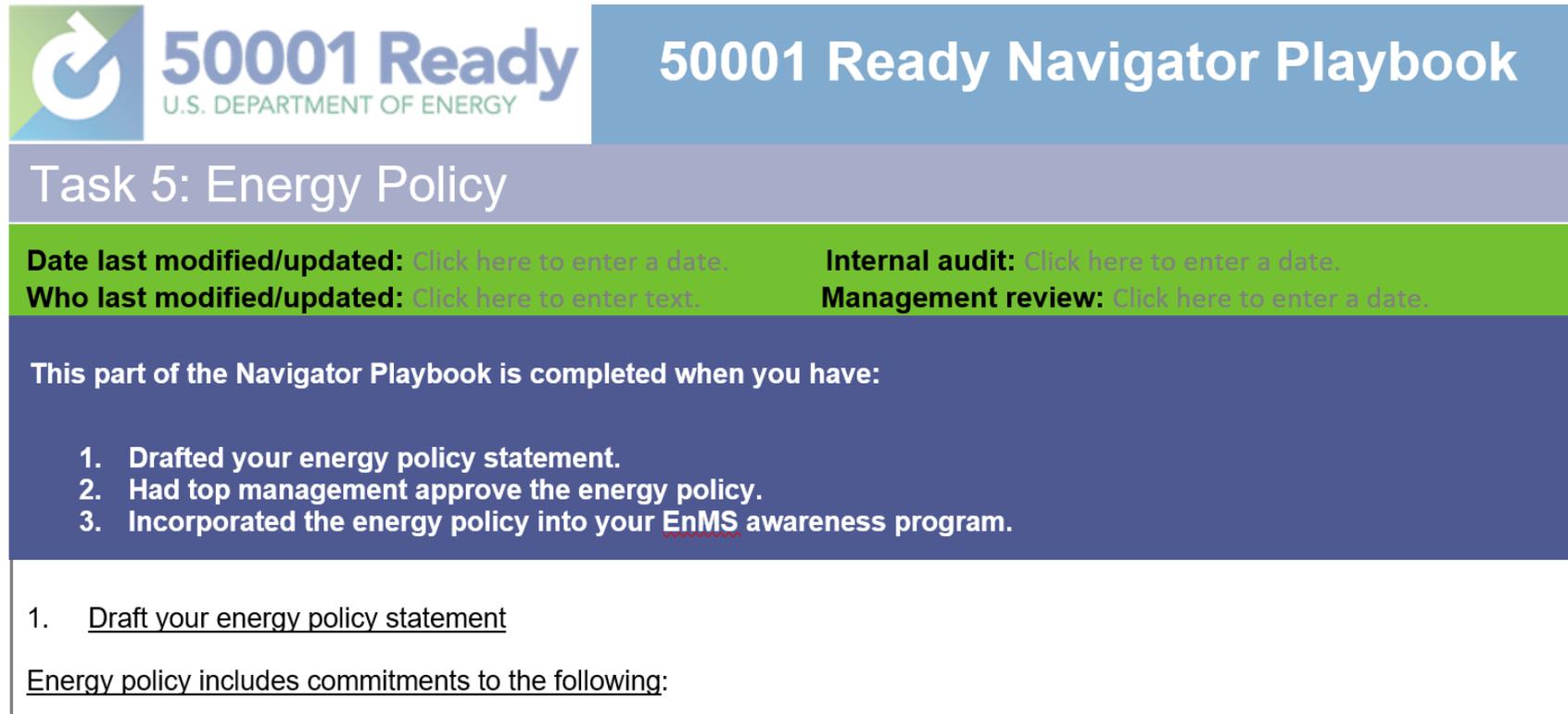
## **We are committed to:**

- **R**educe energy use per ton of product by 25% in 10 years
- **E**nsure continual improvement in our energy performance
- **D**eploy information and resources to achieve our objectives and targets
- **U**phold legal and other requirements regarding energy
- **C**onsider energy performance improvements in design and modification of our facilities, equipment, systems and processes
- **E**ffectively procure and utilize energy-efficient products and services

# Task 5: Playbook

Activity

- Look at Task 5 in 50001 Ready
- Look at the Task 5 Playbook



The screenshot shows the '50001 Ready Navigator Playbook' for 'Task 5: Energy Policy'. It includes a header with the '50001 Ready U.S. DEPARTMENT OF ENERGY' logo and the title '50001 Ready Navigator Playbook'. Below the title is a section for 'Task 5: Energy Policy' with a green bar containing fields for 'Date last modified/updated', 'Internal audit', 'Who last modified/updated', and 'Management review'. A dark blue box lists three completion criteria: 1. Drafted your energy policy statement, 2. Had top management approve the energy policy, and 3. Incorporated the energy policy into your EnMS awareness program. Below this, a white box shows a list item '1. Draft your energy policy statement' and a text prompt 'Energy policy includes commitments to the following:'.

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

## 50001 Ready Navigator Playbook

### Task 5: Energy Policy

**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. Drafted your energy policy statement.
2. Had top management approve the energy policy.
3. Incorporated the energy policy into your EnMS awareness program.

1. Draft your energy policy statement

Energy policy includes commitments to the following:

# Task 6: Energy Team and Resources

Task 6: We have established an energy team authorized by top management to oversee the EnMS. Responsibilities and authorities are assigned and communicated, and processes are in place to identify and provide resources.



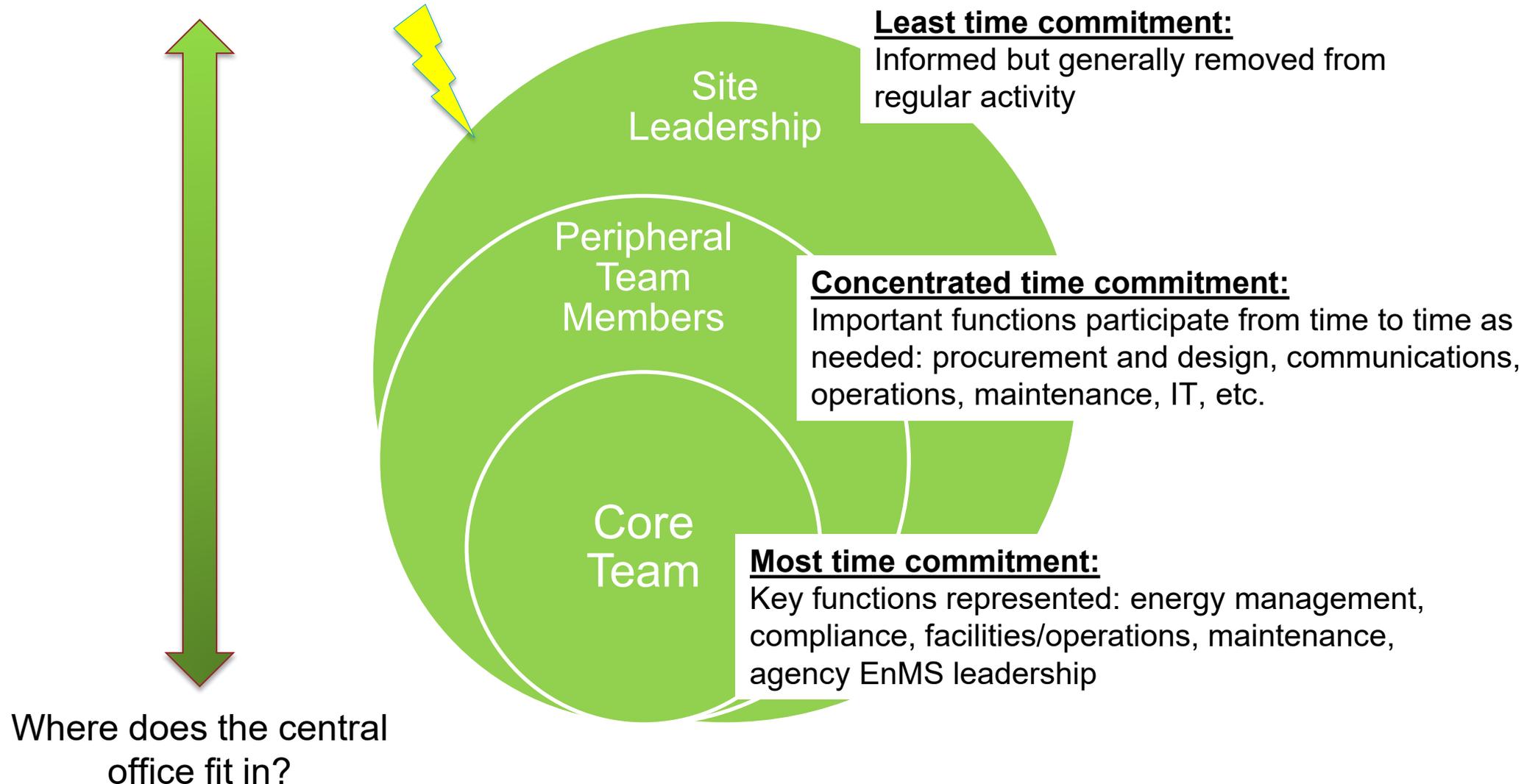
# Task 6: Questions to Ask

- How will you organize your energy teams at your sites?
  - Is this structure already in place?
  - What role at the sites will typically lead the energy teams?
  - How will the central office support the energy teams?
- Are responsibilities and authorities assigned?
- Are processes in place to ensure proper resources?
- How will the central office communicate with the individual site teams?

# Task 6: Energy Team and Resources

- Form and authorize the team
- Cross functional is better
- Identify and authorize the team leader
- Confirm team resources are available
- Assign responsibilities
- Make a roster
- Set up team meeting times
- Promote awareness and acceptance outside the team

# Task 6: Energy Team Roles and Time Commitment



# Task 6: Playbook

Activity

- Look at Task 6 in 50001 Ready
- Look at the Task 6 Playbook

The screenshot shows the '50001 Ready Navigator Playbook' interface. At the top left is the '50001 Ready U.S. DEPARTMENT OF ENERGY' logo. The main title is '50001 Ready Navigator Playbook'. Below this is a section for 'Task 6: Energy Team and Resources'. A green bar contains fields for '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', and 'Management review: Click here to enter a date'. Below this is a dark blue box with the text 'This part of the Navigator Playbook is completed when you have:' followed by a numbered list of six items. The first item is underlined and repeated at the bottom of the page.

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U.S. DEPARTMENT OF ENERGY

## 50001 Ready Navigator Playbook

### Task 6: Energy Team and Resources

**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. Formed an energy team and obtained authority from top management for it to oversee the **EnMS** and carry out assigned responsibilities.
2. Documented who the energy team leader is.
3. Scheduled regular energy management team meetings.
4. Assigned and communicated **EnMS** responsibilities and authorities within the organization.
5. Addressed and communicated responsibilities for other relevant roles.
6. Identified, communicated to top management, and allocated the resources needed for the **EnMS**.

1. Form an energy team and obtain authority from top management for it to oversee the **EnMS** and carry out assigned responsibilities

# Polling Question 4

Polling Question

## 4) Thinking about Tasks 4 – 6:

Task 4: Management Commitment

Task 5: Energy Policy

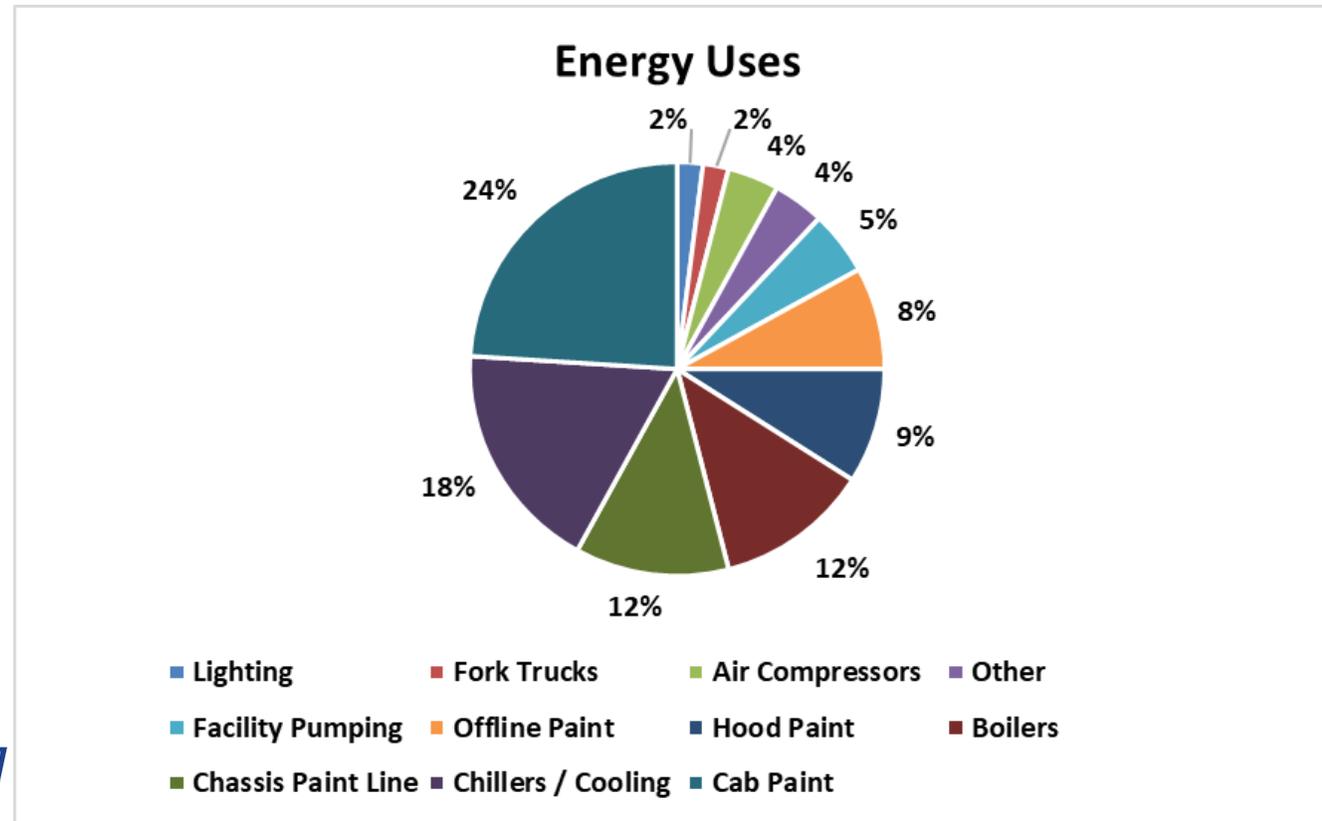
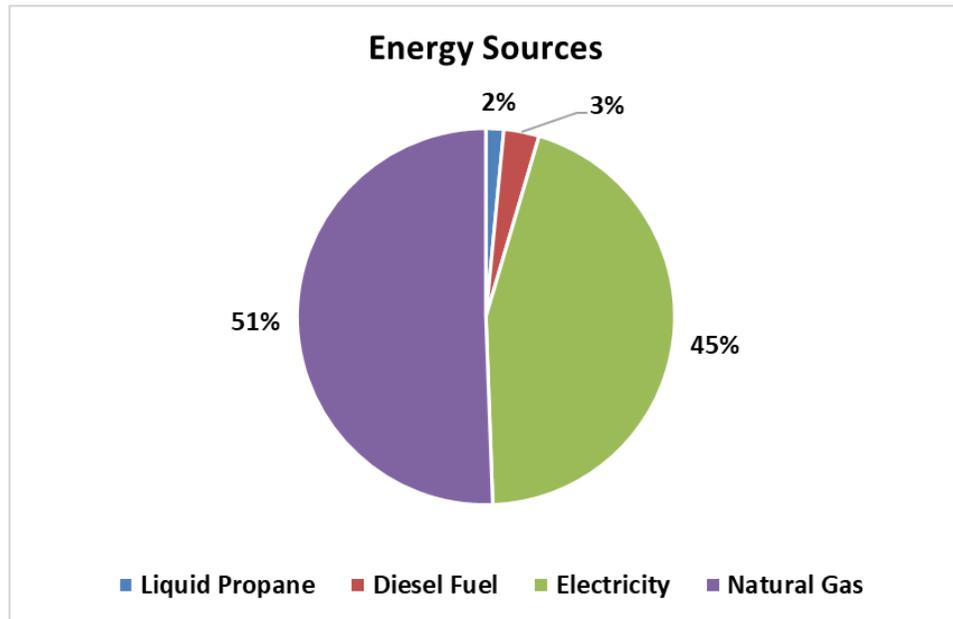
Task 6: Energy Team and Resources

Where do you feel your organization is relative to these three tasks?

- A. We already have all of this in place based on other ISO systems and/or our current energy management program. Just a little tweaking is needed.
- B. These sound familiar and my organization has some of this in place. It would not take too much effort to complete these.
- C. Most of this is new to my organization, but we do have some basics in place. It would take some effort to get this in place.
- D. I would have to start from scratch to get these tasks completed.
- E. I do not know where our organization is with respect to completing these tasks.

# Preview of Upcoming Tasks

# Planning (7) – Two Key Pie Charts, Tasks 8 – 13



*What energy comes into my site (8)?*

*Where does all this energy go (9)? [SEUs]*

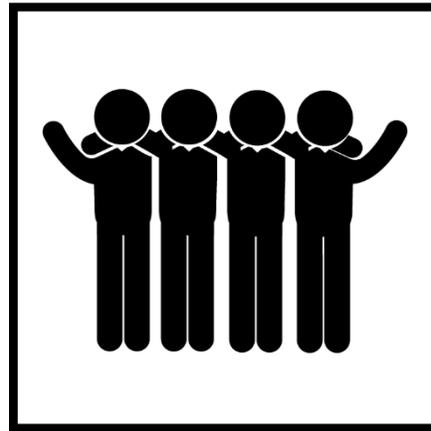
*What are my energy saving projects (10)?*

*What are my EnPIs and EnBs (11)?*

*What are my objectives, energy targets & action plans (12 & 13)?*

# Support (3), Tasks 14 – 16

Ensure all team members who impact energy performance understand their role



*Who impacts energy performance and our EnMS (14)?*

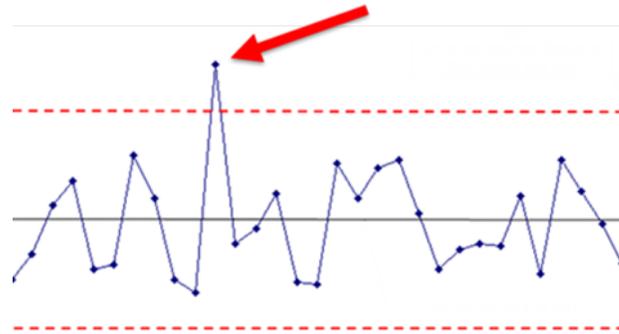
*Are they aware, competent, trained, documented (14 & 15)?*

*Is our training for them effective (14 & 15)?*

*Do we maintain good documentation and records of our EnMS (16)?*

# Operation (3), Tasks 17 - 19

Operate, maintain, design and procure to optimize energy performance



- Do I have good operational and maintenance controls for my SEUs (17)?*
- Do my operators know what to do when energy expectations are not met (17)?*
- Are design and procurement teams are engaged (18 & 19)?*

# Performance Evaluation (4), Tasks 20 - 23

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 (20 & 21)?*

*How are your tracking systems working (20 & 21)?*

*Are internal audits and management reviews all set up (22 & 23)?*

# Continual Improvement (2), Tasks 24 & 25

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

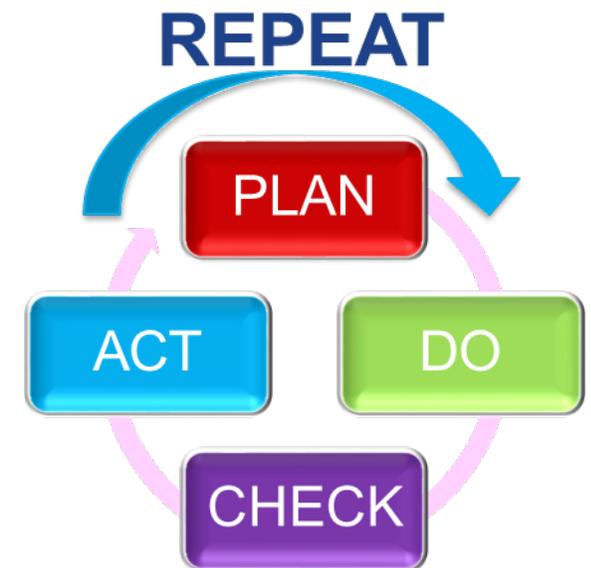
Continual Improvement



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?*

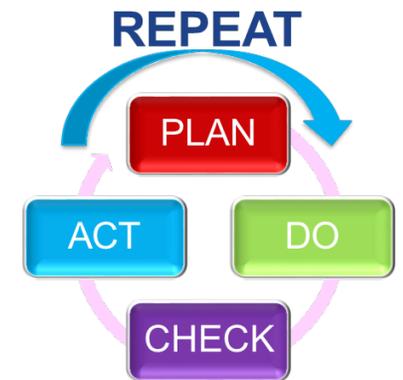
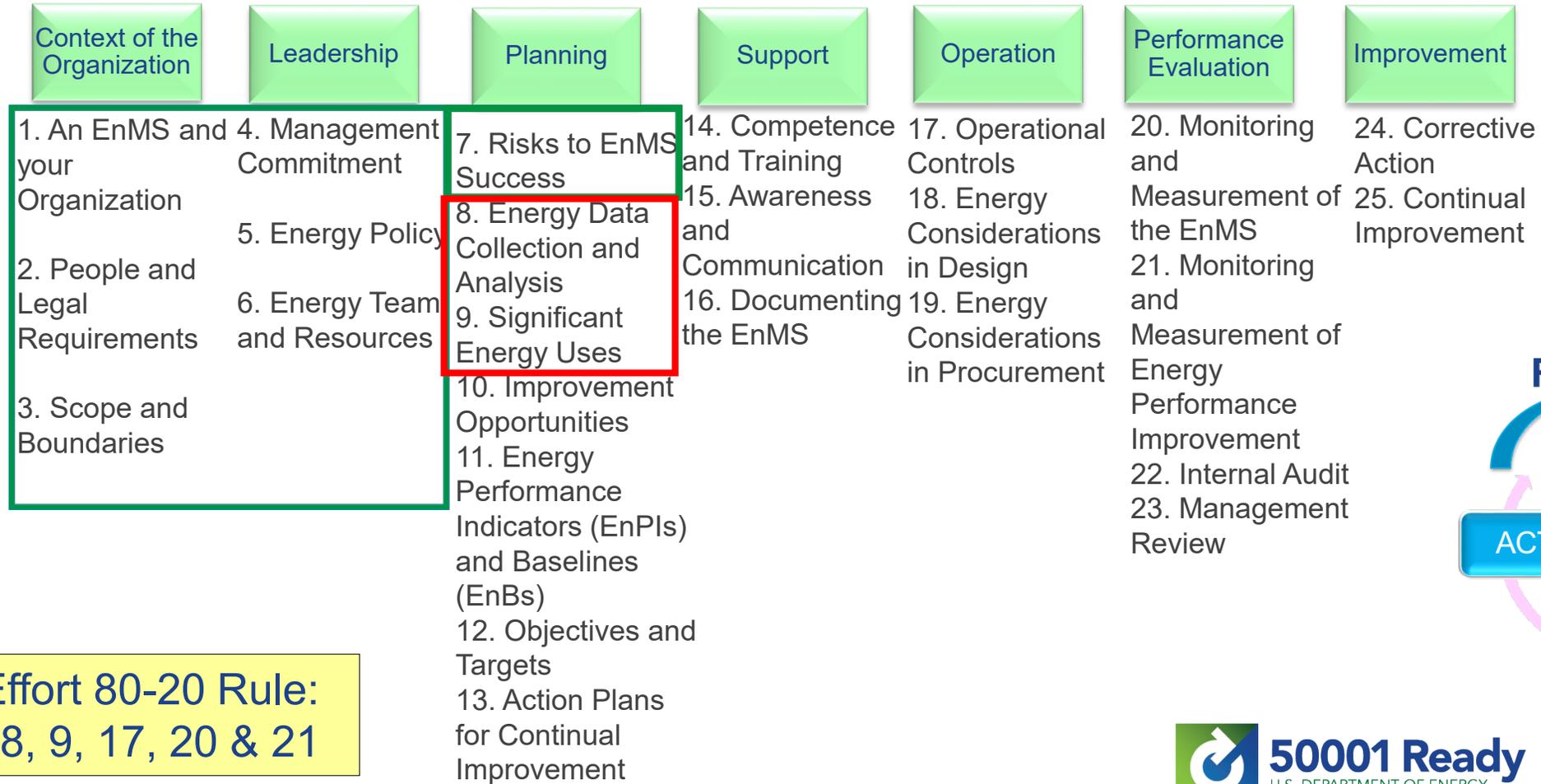


# Training Schedule & Preparations

## Kahoot Quiz Game

### Q&A

# 50001 Ready Navigator Tasks: Session Three in RED



**Task Effort 80-20 Rule:  
Tasks 8, 9, 17, 20 & 21**

# Training Schedule: By Session

1. An Overview – February 17, Done
2. Laying the Foundation of 50001 – TODAY-February 24
3. Where does all the Energy Go? – Next-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 THREE



- We recommend that you purchase the ISO 50001: 2018 standard
- If desired, you can still 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 THREE:
  - Review tasks 8-9 in 50001 Ready
  - Be prepared to discuss your site energy data collection methods (Task 8).
  - Think about your significant energy users (SEUs) by equipment, processes, or systems? (Task 9)



Use Session ONE HW  
Questionnaire for 50001  
Ready account input

# 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>

# Polling Question 5

Polling Question

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

# 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