



Training Session #1: Introduction to 50001 Ready  
November 20, 2024

Global FEMP

# Welcome!



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



**veic**

**FEMP**  
Federal Energy Management Program

# Today's Agenda

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- Welcome & Introductions
- What to expect from this training
- Energy Management Systems
- Why 50001 Ready?
- Big ideas in ISO 50001
- Explore the 50001 Ready Navigator Tool
- Session 1 milestones and next steps

## Your 50001 Ready Implementation Support Team

- Tim Stearns – VEIC
- Eric Weber – VEIC
- Michael Socks – VEIC
- Bunmi Adesola – Lawrence Berkeley National Lab
- Kendall Kam – US DOE/FEMP



# Introductions

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1. Drop your name in the chat along with...
2. Job Title
3. Your anticipated role in 50001 Ready
  - “**Lead**-er” (ex. top site manager & cheerleader)
  - “**Plan**-ner” (ex. finds and analyzes data)
  - “**Do**-er” (ex. finds & fixes operational problems)
  - “**Check**-er” (ex. tracks progress & compliance)
  - “**Act**-er” (ex. reviews progress & re-sets strategic goals)

## Your active participation is key!

According to past feedback, learning from other participants is one of the most beneficial aspects of the cohort training.

- Join the discussions as much as possible (use chat!)
- Use your camera to better engage the group.
- We understand you have work responsibilities. If you need to step away or even miss a session, we understand. But remember, the training will be most valuable if you can focus and actively participate. All sessions will be recorded for later viewing.

***Our goal is to customize this training for you – your active participation and feedback are vital!***

# 50001 Ready Training Purpose for this Session

## ► Purpose

- Introduce you to Energy Management best practices
- Brief you on all of the requirements of 50001 Ready
- Support you as you complete as many 50001 Ready tasks as possible
- Foster sharing of ideas and experiences among the cohort

## ► Managing Expectations

- 50001 Ready generally takes 6 to 18 months to complete
- Our 7+ month engagement will set you up for success
- Please take advantage of the training to get off to a strong start!

# 50001 Ready Training Format

- **2-hour Training Sessions** occur once every month. These sessions will introduce the structure and intent of ISO 50001, specific tasks from the 50001 Ready Navigator, and actions required to implement an effective, world class energy management system.
- **1-hour Office Hours/Working** sessions occur between training sessions. These sessions will be informal and interactive with report out from each participating site with time for open Q&A.
- **Homework** will be assigned during each training session to guide your progress toward 50001 Ready. These assignments will take 1 to 3 hours to complete.
- **Guidance** is available by phone/email any time and at Office Hours.





## Program Components:

- (7) 2-hour Training Sessions
- (7) 1-hour Office Hours/Working Sessions
- Optional 1:1 Coaching Calls

Training Sessions—1<sup>st</sup> Wednesday of the month  
11:00pm to 1:00pm EST



Next Training Session will be January 8

# 50001 Ready Recognition is the Goal



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

## 1. Implement ISO 50001 principles

Complete 25 Tasks in US DOE's 50001 Ready Navigator free, self-guided online tool

## 2. Present energy performance

Submit energy performance data. DOE provides a tool for this, other tools or methodologies are fine.\*

## 3. Self-attest to 50001 Ready

Sign-off by management of 50001 Ready implementation and commitment

[energy.gov/50001Ready](http://energy.gov/50001Ready)



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

## Company Name

Is recognized for instituting global best practices in continuous energy improvement

Recognized by the U.S. Department of Energy

Dr. Kathleen Hogan  
Deputy Assistant Secretary for Energy Efficiency

U.S. DEPARTMENT OF  
**ENERGY**

DOE and others recognize  
50001 Ready achievement

# 50001 Ready Program Training

Session	Theme	Tasks	November 2024
1	Get Started	50001 Ready Overview	
		Introduction to 50001 Ready Navigator tool	
		Introduction to Navigator Playbooks	

Session	Theme	Tasks	January 2025
2	Establish Support, Build Your Team, Define Your Mission	4. Management Commitment	
		6. Energy Team & Resources	
		3. Scope & Boundaries	
		5. Energy Policy	
		2. People & Legal Requirements	
		1. An EnMS & Your Organization	
		7. Risks/Opportunities for EnMS	

Session	Theme	Tasks	February 2025
3	Track Your Energy Consumption, Identify & Manage Your Energy Projects	8. Energy Data Collection & Analysis	
		9. Significant Energy Uses (SEUs)	
		10. Improvement Opportunities	
		13. Action Plans	
		17. Operational Controls	

Session	Theme	Tasks	March 2025
4	Choose Your Measuring Stick & Set the Bar	11. Energy Performance Indicators (EnPIs) & Baselines	
		12. Objectives & Targets	
		21. Monitoring & Measurement of Energy Performance Improvement	
		Energy Footprint Tool	
		EnPI Lite Tool	

# 50001 Ready Program Training

Session	Theme	Tasks	June 2022
5	Get Everyone on Board	14. Competence & Training	
		15. Awareness & Communication	
		18. Energy Considerations in Design	
		19. Energy Considerations in Procurement	

Session	Theme	Tasks	July 2022
6	Dot Your I's & Cross Your T's, Tell Your Story	16. Documenting the EnMS	
		20. Monitoring & Measurement of the EnMS	
		22. Internal Audit	
		23. Management Review	
		24. Corrective Actions	

Session	Theme	Tasks	August 2022
7	Continual Improvement, Start Again	25. Continual Improvement	
		Tasks 1-24 review, 50001 Ready Recognition	

# Questions so far?

# Time for Some Thanksgiving Trivia

What is the most popular Thanksgiving side dish?



# Time for Some Thanksgiving Trivia

What is the most popular Thanksgiving side dish?

Answer: According to [Delish.com](https://delish.com), #1 is Gravy.

Sure, gravy is technically a condiment. But with the sheer volume we pour onto our holiday plates, it basically qualifies as a side in its own right. Gravy works with literally every component of a Thanksgiving meal. It's rich, savory, decadent, and the ultimate holiday MVP.

Drop in the chat your favorite side dish!





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# **Part 1: Introduction to 50001 Ready**

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***What is ISO 50001?***

***What is it and why bother?***



ISO 50001 provides a framework for an *Energy Management System*: An approach to **continually improve** an organization's practices related to energy that delivers **persistent savings** and **attainment of strategic goals**.

Features:

- Applies the Commit-Plan-Do-Check-Act framework
- Engages all areas of an organization: People, Processes, Technology, and Organizational Structure
- Gives energy a place among other management priorities

# ISO 50001



## What is it?

- A globally accepted framework for a well-designed, systematic process to continuously improve an organization's "energy performance".

## What does it do?

- Prescribes critical actions for effectively managing energy according to the organization's goals and policies
- Documents who/what/when/how of those actions
- Checks that the actions are done adequately, and takes corrective action if they are not
- Measures and reports results
- Continuously improves the results and the process itself
- Complements existing business processes (ISO 9001, ISO 14001, other management activities)

## What is it good for?

- Ensuring leadership fully supports energy management
- Ensuring energy management is an organizational priority and not what someone does in their "free" time
- Ensuring continuous improvement and persistence
- Qualifying the organization for best-in-class recognition

# Energy Projects vs. Energy Management System

## Efficiency as a Project: Business-as-Usual

- Capital-intensive savings
- “Flavor of the month”
- No context for actions
- Extra job for one or a few
- Ad hoc gains, then backsliding



## Efficiency as a Process: Energy Management System

- No and low-cost savings
- Organizational commitment
- Driven by performance goals
- All staff engaged
- Persistent savings & continuous improvement

Sort of ~

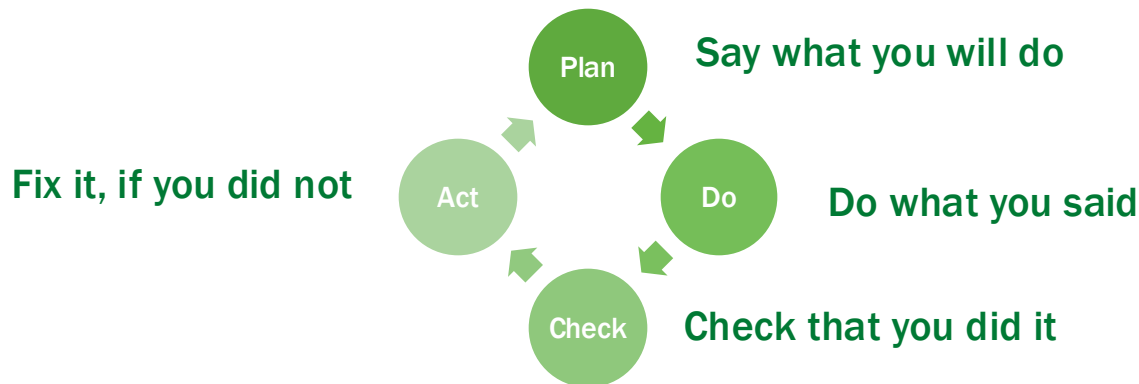


*But how do  
you get from  
HERE  
to  
HERE?*



# Why implement an Energy Management System?

- Align improved energy performance with your organization's mission, strategic direction, and goals
- Establish a consistent energy culture across the organization that persists through personnel changes
- Deliver reliable data to improve performance and sustain energy, environmental, and financial benefits over time
- Why is 50001 framed around the Plan-Do-Check-Act cycle? To emphasize that continuous improvement requires iterative performance assessment and action



# Features of a successful EnMS

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- Accounts for how staff behavior impacts site energy performance and the results of implemented projects
- Employs a robust strategy for collecting, analyzing, and reporting energy data
- Uses data to make decisions and guide investments
- Becomes resilient to staff changes because it is well documented and accessible
- Provides the backbone for all energy-related goals, initiatives, and compliance work at the site
- Delivers results and continuously improves over time

# How does an EnMS differ from a BMS?



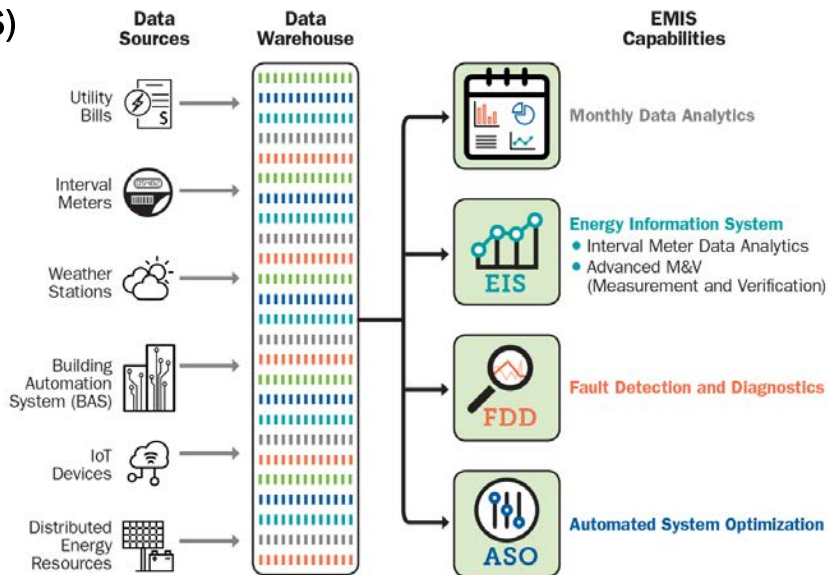
# EnMS vs. BMS/BAS/EMS/EIS/EMIS

## Building Management System (BMS) Building Automation System (BAS)

- Used to monitor and control building mechanical, electrical, and security systems in real time
  - Schedules
  - Setpoints
  - Fault detection & diagnosis

## Energy Management System (EMS) Energy Information System (EIS)

- Used to log, analyze, and trend energy consumption and energy uses
  - Daily/weekly/monthly reports
  - Real time/interval data
  - Utility billing
  - Energy meters & sub-meters
  - Energy drivers/variables



An “Energy Management Information System” (EMIS) integrates the hardware & software to turn raw data into actionable information

Graphic source: EMIS Specification & Procurement Support Materials, US DOE, 12/2020  
[https://betterbuildingssolutioncenter.energy.gov/sites/default/files/attachments/EMIS\\_Specification\\_LBNL\\_Dec2020.docx](https://betterbuildingssolutioncenter.energy.gov/sites/default/files/attachments/EMIS_Specification_LBNL_Dec2020.docx)

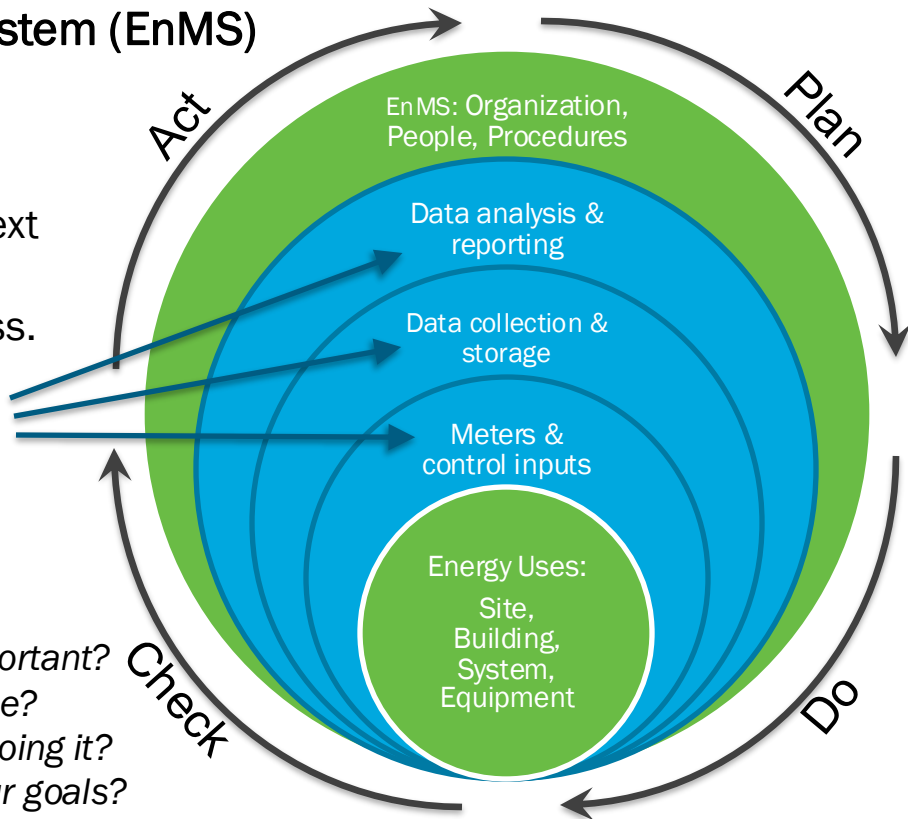
# EnMS vs. BMS/BAS/EMS/EIS/EMIS

## Energy Management System (EnMS)

The EnMS is the strategy, tactics & organizational framework that gives context to your energy-related activities & ensures success.

BMS/BAS/EMS/EIS/EMIS are some of the technical tools that can help you implement the EnMS.

- COMMITMENT - *Why is it important?*
- PLAN - *What needs to be done?*
- DO - *Who is responsible for doing it?*
- CHECK - *Are you meeting your goals?*
- ACT - *Are you getting better at it?*



# Time for Some More Thanksgiving Trivia

How many Turkeys are eaten each year by Americans on Thanksgiving ?



# Time for Some Thanksgiving Trivia

How many Turkeys are eaten each year by Americans on Thanksgiving ?

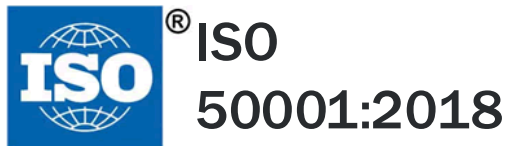
Answer: Americans eat around 46 million turkeys on Thanksgiving Day each year.

Drop in the chat your favorite way to cook the turkey.



# Why 50001 Ready?

# ISO 50001 and 50001 Ready — What vs. How



- Internationally recognized standard for energy management best practices
- Requires external audit to achieve certification



- U.S. Department of Energy program
- Free guidance documentation for pursuing an EnMS based on ISO 50001 principles through the Navigator Tool
- Free training and technical support from 50001 Ready Helpdesk

*50001 Ready is a self-paced, step-by-step energy management framework that delivers the benefits of ISO 50001.*

# ISO 50001 and 50001 Ready



## 50001 Ready Advantages

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- Step-by-step guidance for implementing and maintaining an energy management system in conformance with the ISO 50001
- Implementation tools including 50001 Ready Navigator & Playbooks
- Recognition for self-attested conformance to 50001 Ready



50001 Ready  
Navigator



50001 Ready  
Task Playbooks

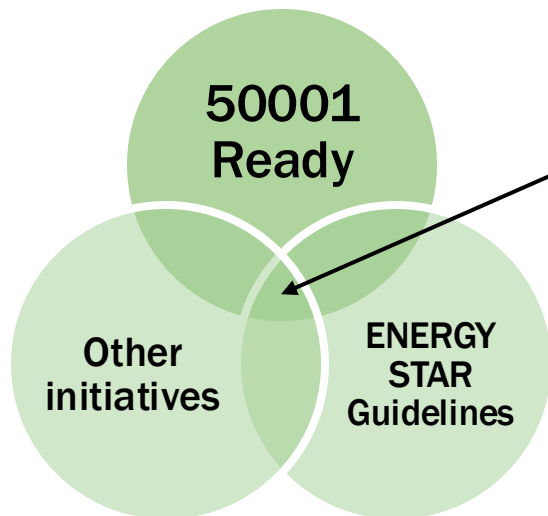


Energy Footprint &  
EnPI Lite Tools



US DOE  
Recognition

# Significant Overlap with Existing Efforts

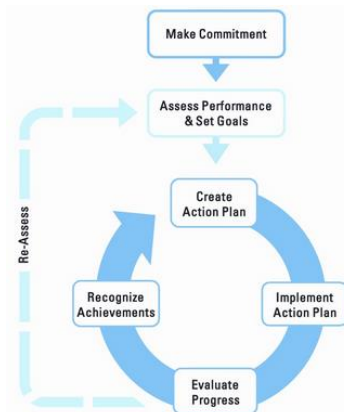


Successfully accounting for shared elements of effective management systems will support all efforts. Other ISO management systems can align and integrate with a 50001 Ready EnMS

- Mission Planning or Support
- Site Resiliency
- Water Conservation
- Energy or GHG Tracking and Reporting
- Environmental Management (ISO 14001)
- Other directives or mandates that can plug into a systematic management approach



*Let's build around what you already do!*





# Significant Overlap with Existing Efforts

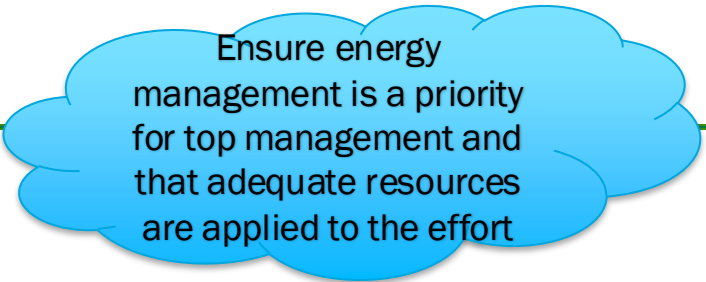
- |                                     |  |  |
|-------------------------------------|--|--|
| <input checked="" type="checkbox"/> | <b>Sustainability Goals</b>                  | Does your organization have established energy reduction or sustainability goals?                                      |
| <input checked="" type="checkbox"/> | <b>Top-Level Commitment</b>                  | Has your executive leadership committed to providing resources to manage energy?                                       |
| <input checked="" type="checkbox"/> | <b>Empowered Staff</b>                       | Is your staff trained and empowered to analyze and improve energy use?   |
| <input checked="" type="checkbox"/> | <b>Energy Tracking</b>                       | Does your facility practice regular tracking of energy spend and consumption?  |
| <input checked="" type="checkbox"/> | <b>Systems Familiarity</b>                   | Do you know which systems and equipment consume the most energy at your facility?                                      |
| <input checked="" type="checkbox"/> | <b>Experience with Structured Management</b> | Do you have experience with energy or structured management credentials, such as ISO 9001/14001, LEED, or ENERGY STAR? |

# Big ideas in 50001 Ready

# 50001 Ready Navigator Task Matrix

Context of the Organization	Leadership	Planning	Support	Operation	Performance Evaluation	Improvement
1. An EnMS & your Organization	4. Management Commitment	7. Risks to EnMS Success	14. Competence & Training	17. Operational Controls	20. Monitoring & Measurement of the EnMS	24. Corrective Action
2. People & Legal Requirements	5. Energy Policy	8. Energy Data Collection & Analysis	15. Awareness & Communication	18. Energy Considerations in Design	21. Monitoring & Measurement of Energy Performance Improvement	25. Continual Improvement
3. Scope & Boundaries	6. Energy Team & 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) & Baselines (EnBs)				
		12. Objectives & Targets				
		13. Action Plans for Continual Improvement				

These sections align with the ISO 50001:2018 High Level Structure.



Tasks 4-6

# Leadership

Recruit leadership to be your ally in implementing your energy management system at all levels of the organization.

- Context of the Organization
- Leadership
- Planning
- Support
- Operation
- Performance Evaluation
- Improvement

Leadership

Task	Assigned To	Approver	Status	Status Date
4 <a href="#">Management Commitment</a>	not assigned	<a href="#">Log in to track progress</a>		
5 <a href="#">Energy Policy</a>	not assigned	<a href="#">Log in to track progress</a>		
6 <a href="#">Energy Team and Resources</a>	not assigned	<a href="#">Log in to track progress</a>		



Tasks 1-3

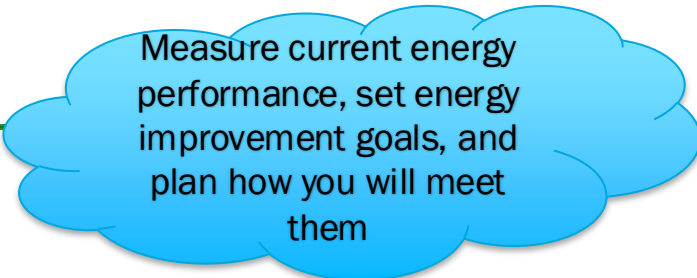
# Context of the organization

Get ahead of strategic and organizational challenges that might interfere with implementing an energy management system.

- Context of the Organization
- Leadership
- Planning
- Support
- Operation
- Performance Evaluation
- Improvement

Context of the Organization

Task	Assigned To	Approver	Status	Status Date
1 <a href="#">An EnMS and Your Organization</a>	not assigned	<a href="#">Log in to track progress</a>		
2 <a href="#">People and Legal Requirements Affecting the EnMS</a>	not assigned	<a href="#">Log in to track progress</a>		
3 <a href="#">Scope and Boundaries</a>	not assigned	<a href="#">Log in to track progress</a>		



## Tasks 7-13

# Planning

Understand current energy performance and underlying trends to implement an effective EnMS.

- Context of the Organization
- Leadership
- Planning
- Support
- Operation
- Performance Evaluation
- Improvement

Planning					
Task		Assigned To	Approver	Status	Status Date
7	Risks to EnMS Success	not assigned	<a href="#">Log in to track progress</a>		
8	Energy Data Collection and Analysis	not assigned	<a href="#">Log in to track progress</a>		
9	Significant Energy Uses (SEUs)	not assigned	<a href="#">Log in to track progress</a>		
10	Improvement Opportunities	not assigned	<a href="#">Log in to track progress</a>		
11	Energy Performance Indicators and Energy Baselines	not assigned	<a href="#">Log in to track progress</a>		
12	Objectives and Targets	not assigned	<a href="#">Log in to track progress</a>		
13	Action Plans for Continual Improvement	not assigned	<a href="#">Log in to track progress</a>		



Tasks 14-16

## Support

Ensure all team members who impact energy performance understand their role and perform it effectively.

Context of the Organization		Leadership	Planning	Support	Operation	Performance Evaluation	Improvement
Support							
Task		Assigned To		Approver	Status	Status Date	
14	Competence and Training	not assigned		Log in to track progress			
15	Awareness and Communication	not assigned		Log in to track progress			
16	Documenting the EnMS	not assigned		Log in to track progress			



Tasks 17-19

# Operation

Focus on high-impact, low-investment opportunities to streamline and improve energy performance throughout your organization.

Context of the Organization   Leadership   Planning   Support   **Operation**   Performance Evaluation   Improvement

## Operation

Task	Assigned To	Approver	Status	Status Date
17 <a href="#">Operational Controls</a>	not assigned	<a href="#">Log in to track progress</a>		
18 <a href="#">Energy Considerations in Design</a>	not assigned	<a href="#">Log in to track progress</a>		
19 <a href="#">Energy Considerations in Procurement</a>	not assigned	<a href="#">Log in to track progress</a>		



Check that you are achieving the anticipated results from your energy management efforts

Tasks 20-23

## Performance evaluation

Design and implement strategies for evaluating data and people-oriented processes within your EnMS to ensure you meet your goals.

Context of the Organization

Leadership

Planning

Support

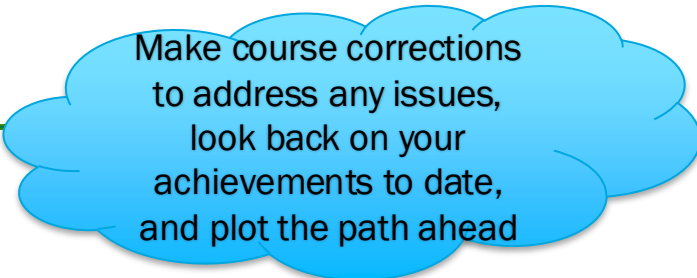
Operation

Performance Evaluation

Improvement

### Performance Evaluation

Task	Assigned To	Approver	Status	Status Date
20 <a href="#">Monitoring and Measurement of the EnMS</a>	not assigned	<a href="#">Log in to track progress</a>		
21 <a href="#">Monitoring and Measurement of Energy Performance Improvement</a>	not assigned	<a href="#">Log in to track progress</a>		
22 <a href="#">Internal Audit</a>	not assigned	<a href="#">Log in to track progress</a>		
23 <a href="#">Management Review</a>	not assigned	<a href="#">Log in to track progress</a>		



Tasks 24-25

# Improvement

Assess whether the actions you have taken in your EnMS led to energy performance improvement and adjust accordingly.

Context of the Organization					Leadership					Planning					Support					Operation					Performance Evaluation					Improvement				
Improvement																																		
Task										Assigned To										Approver					Status					Status Date				
24		Corrective Actions										not assigned										Log in to track progress												
25		Continual Improvement										not assigned										Log in to track progress												

## Questions?

# Time for some more Trivia

What year did “A Charlie Brown Thanksgiving” debut on television?



# Time for some more Trivia

A Charlie Brown Thanksgiving is the tenth prime-time animated television special based upon the comic strip Peanuts, by Charles M. Schulz. The special first aired on CBS on Tuesday, November 20, 1973, two days before Thanksgiving. That's 51 years ago today!



Drop in the Chat, your favorite holiday movie or TV show

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# **Part 2: 50001 Ready Navigator Overview**

# 50001 Ready Navigator

We'll be using the Navigator web-based tool and the Navigator playbooks throughout the training.



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**Navigator**

LANGUAGE  
English ▼

Log In

Contact

FAQs

Explore ▼

<https://navigator.bl.gov>

The screenshot shows the 50001 Ready Navigator website. At the top is the 50001 Ready logo and navigation links. The main content area has a welcome message and a description of the tool. Below this are three sections: 'About the Navigator' (with a 'Get More Info' button), 'Explore the Navigator' (with a 'Get More Info' button and a progress bar showing 100% completion), and a login section. The login section includes links for 'Create an Account or Log-in to Get Started', an email address field (containing 'tsteams@veic.org'), a password field, and a 'Log In' button. A 'Forgot password?' link is also present. The footer contains the U.S. Department of Energy logo, a 'Privacy and Security Notice' link, a language selector (English, Français, Español), and 'About' and 'Contact Us' links.

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

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.

**About the Navigator**

**Explore the Navigator**

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

EMAIL ADDRESS

tsteams@veic.org

ENTER PASSWORD

\*\*\*\*\*

Log In

[Forgot password?](#)

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PRINCE GEORGE'S COUNTY

Privacy and Security Notice

English Français Español

About Contact Us

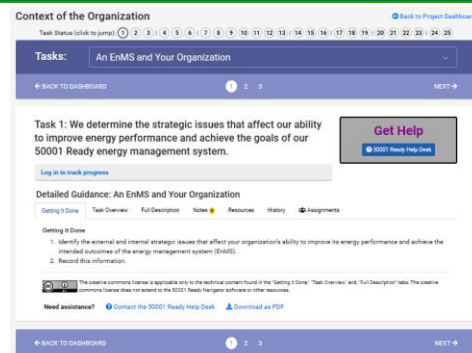
The 50001 Ready Navigator is a resource of the Department of Energy's Advanced Manufacturing Office.

Advanced Manufacturing Office | Office of Energy Efficiency & Renewable Energy

# 50001 Ready Navigator

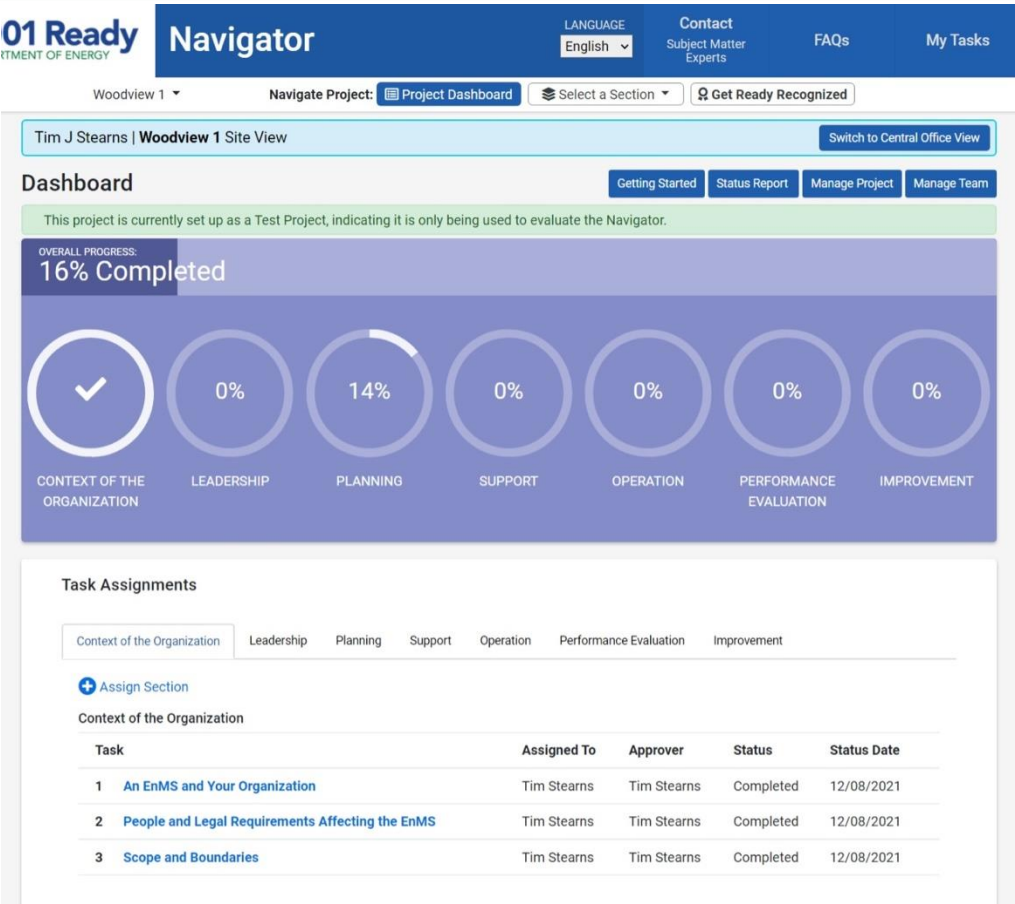
- Developed and maintained by DOE
- Free resource for training and information
- Online tool with a simple, step-by-step approach to ISO 50001 implementation
- Guidance is broken into straightforward sections, including “Getting it Done” and “Transition Tips” from ISO 14001, ISO 9001, and ENERGY STAR.
- Allows users to track progress & collaborate with their team members
- Access over 100 related resources
- In English, Spanish and French
- All info input into the Navigator tool is secured; DOE does not have access to your info.

<https://navigator.lbl.gov/>





# 5001 Ready Navigator Dashboard



Tim J Stearns | Woodview 1 Site View

Switch to Central Office View

Dashboard

Getting Started | Status Report | Manage Project | Manage Team

This project is currently set up as a Test Project, indicating it is only being used to evaluate the Navigator.

OVERALL PROGRESS: 16% Completed

✓

CONTEXT OF THE ORGANIZATION

0%

LEADERSHIP

14%

PLANNING

0%

SUPPORT

0%

OPERATION

0%

PERFORMANCE EVALUATION

0%

IMPROVEMENT

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 EnMS and Your Organization	Tim Stearns	Tim Stearns	Completed	12/08/2021
2 People and Legal Requirements Affecting the EnMS	Tim Stearns	Tim Stearns	Completed	12/08/2021
3 Scope and Boundaries	Tim Stearns	Tim Stearns	Completed	12/08/2021

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# Tools: 50001 Ready Navigator



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**Navigator**

LANGUAGE  
English

Log In

Contact

FAQs

Explore

+ Create New Project

Navigate Project

Project Dashboard

Context of the Organization

Get Ready Recognized

## Context of the Organization

Back to Project Dashboard

Task Status (click to jump): 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

Tasks:

An EnMS and Your Organization

← BACK TO DASHBOARD

1 2 3

NEXT →

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

Log in to track progress

Get Help

50001 Ready Help Desk


### Detailed Guidance: An EnMS and Your Organization

Getting It Done Task Overview Full Description Notes Playbook History Assignments

#### Getting It Done

1. Identify the external and internal strategic issues that affect your organization's ability to improve its energy performance and achieve the intended outcomes of the energy management system (EnMS).
2. Record this information.

Task 1 Guidance Version: v18.01.01.02

 The creative commons license is applicable only to the technical content found in the "Getting it Done," "Task Overview," and, "Full Description" tabs. The creative commons license does not extend to the 50001 Ready Navigator software or other resources.

Need assistance?

Contact the 50001 Ready Help Desk

Download as PDF

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# Tools: 50001 Ready Navigator Playbooks



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## 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.

*Add this information to the Risks and Opportunities Register (below) by completing columns one through three.*

For Task 7 outputs: 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 (below) by completing columns four through eight.*

### Risks and Opportunity Register

Task 1			Outputs for Task 7				
Internal or	Risk or opportunity	Issue	Impact on	Likelihood (1-3)	Risk Level	Action to address	Effectiveness Evaluation

# 50001 Ready Navigator – Playbook



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## 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 a name](#) 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.

Add this information to the Risks and Opportunities Register (below) by completing columns one through three.

For Task 7 outputs: 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 (below) by completing columns four through eight.

### Risks and Opportunity Register

Task 1			Outputs for Task 7				
Internal or external (I or E)	Risk or opportunity (R or O)	Issue	Impact on EnMS (1-3)	Likelihood (1-3)	Risk Level (Low, Medium, High)	Action to address	Effectiveness Evaluation

This column to be completed in Task 7

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## 50001 Ready Navigator Playbook

### Task 3: Scope and Boundaries

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Who last modified/updated: [Click here to enter a name](#) 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  
Detail here:

Click here to enter text.

☐ Defined site limits and/or organizational limits of your EnMS

Detail here:

Click here to enter text.

#### 2. Develop an EnMS Scope and Boundaries Statement

Detail here:

Click here to enter text.

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# Navigator – next steps

- Create an account, if you haven't already done so.
- Create a project....projects are site based so you can add Team members to your site without each of them creating a separate project. You simply invite them to join your Team right in the Navigator tool.
- Link your project to **VEIC Global FEMP**
- <https://navigator.lbl.gov/partnerReferral?referralCode=VEIC%20Global%20FEMP>

# VEIC Global FEMP

Linking your project to the **VEIC Global FEMP** cohort allows me to see your progress toward completing the 25 tasks and getting 50001 Ready recognized

The screenshot shows the '50001 Ready' U.S. DEPARTMENT OF ENERGY Navigator interface. The top navigation bar includes 'LANGUAGE' (English), 'Contact Subject Matter Experts', 'FAQs', 'My Tasks', and 'My Navigator'. The main header area displays the 'ENERGY' logo and the title 'Partner: EERE 50001 Ready Cohorts Partner Dashboard'. Below this, a 'Partner Information' box lists contact details for TBD, including email (badesola@lbl.gov) and phone (888-888-8888), along with a 'Partner Instructions, Guidance, and Referral Links' button. A 'Partner Task Tips' section provides guidance on connecting partner activities to Navigator tasks. The main content area is titled '"FEMP VEIC Global" Projects: 7' and features a table with 7 entries. The table columns are 'Task Progress', 'Cohort (internal title)', and 'Last Action'. The entries list various projects such as 'Iowa Army Ammunition Plant', 'Jet Propulsion Project Organization', 'JMC HQ', 'Lake City AAP HQ AMC', 'Lake City Army Ammunition Plant', 'LANL Project Training', and 'Legacy Management EnMS RSI'. Each entry shows a progress bar, a cohort name, and a last action date. A 'Showing 1 to 7 of 7 entries' message is at the bottom of the table. The footer includes the U.S. DEPARTMENT OF ENERGY logo, the '50001 Ready' logo, language options (English, Français, Español), and links for 'About | Privacy and Security Notice | Contact Us'. A disclaimer states: 'The 50001 Ready Navigator is a resource of the Department of Energy's Advanced Manufacturing Office. Advanced Manufacturing Office | Office of Energy Efficiency & Renewable Energy'.

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**Navigator**

LANGUAGE  
English

Contact  
Subject Matter Experts

FAQs

My Tasks

My Navigator

**ENERGY**  
Energy Efficiency & Renewable Energy

**Partner: EERE 50001 Ready Cohorts**  
**Partner Dashboard**

**Partner Information**  
Contact: TBD  
Email: badesola@lbl.gov  
Phone: 888-888-8888  
Reference Code: EERE

**Partner Task Tips**  
Tips connecting partner activities to Navigator tasks  
Default tips appear for all cohorts unless specific cohort tips provided

**"FEMP VEIC Global" Projects: 7**  
Clear cohort filter

7 filtered | Projects | 9 | Partner Cohorts

Show 50 entries

Search:

Iowa Army Ammunition Plant	0%	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	FEMP VEIC Global	10/24/2024	Notes
Jet Propulsion Project Organization					
JMC HQ					
Joint Munitions Command, Army Material Command	0%	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	FEMP VEIC Global	10/24/2024	Notes
Lake City AAP HQ AMC	100%	★ 50001 Ready Recognized: 01/29/2021	FEMP VEIC Global	11/04/2024	Notes
Lake City Army Ammunition Plant	0%	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	FEMP VEIC Global	10/24/2024	Notes
LANL Project Training	0%	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	FEMP VEIC Global	10/24/2024	Notes
Legacy Management EnMS RSI	40%	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	FEMP VEIC Global	10/24/2024	Notes

Showing 1 to 7 of 7 entries

Previous 1 Next

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English Français Español

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Advanced Manufacturing Office | Office of Energy Efficiency & Renewable Energy

# Resources

## Inside the Navigator Tool:

- Playbook resources in the resources tab of each task
- Contact the 50001 Ready Technical support team through the 50001 Ready Navigator.

## Additional Support:

- E-mail the 50001 Ready Technical support team for assistance with the 50001 Ready Navigator
  - [50001Ready@lbl.gov](mailto:50001Ready@lbl.gov)
- Visit the Better Buildings Solutions Center to learn more about 50001 Ready and read case studies.
- E-mail your coaches:
  - [tstearns@veic.org](mailto:tstearns@veic.org)
  - [eweber@veic.org](mailto:eweber@veic.org)

# Session #1 Homework



# Homework #1 (due before Session #2):

## Pre-Training Assessment

### *Where are you now?*

We have sent you pre-training assessment surveys with links and guidance on completing them. We will resend after today's Training Session.



Your responses will help us target the training sessions and coaching calls to your specific needs and document any gaps in your site-level energy management activities relative to the requirements of 50001 Ready.

## Homework #2 (due before Session #2):

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- Set up your Navigator account and project. Browse “Getting Started” information pages for Tasks 1-25
- Start thinking about who you will need on your team (Task #6) Optional: invite them to your team thru the Navigator tool

### Coaching Call

- *If you want to have a one-on-one, e-mail me and we will set up a time.*

## Homework #3 (Optional):

- There is the opportunity to earn CEUs for this and every Training Session.
- You should have access to a short quiz on today's key points. Take the quiz and receive credit. *(A recording of this training will be available.)*



## Please Reach Out with Any Questions

### 50001 Ready Technical Support Team:

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We look forward to  
working with you and we  
will see you again in  
January!



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[Help Line: 50001Ready@lbl.gov](mailto:50001Ready@lbl.gov)

# Thank you!