DOE'S 50001 READY PROGRAM - GUIDE FOR NEW USERS

What is the 50001 Ready Program?[1]

The U.S. Department of Energy's (U.S. DOE's) 50001 Ready program is a self-guided approach for facilities to establish an energy management system and self-attest to the structure of ISO 50001, a voluntary global standard for energy management systems in industrial, commercial, and institutional facilities. The 50001 Ready program offers:

- A self-paced approach for any facility to implement an energy management system without certification
- Guidance to identify and analyze facility-wide energy use and to develop action plans around energy performance improvements
- DOE recognition for U.S. facilities that self-attested to completion of the 50001 Ready Navigator, without the need for external audits

U.S. DOE's 50001 Ready designation does not replace and is not a substitute for ISO 50001 certification, and does not imply endorsement by the International Organization for Standardization (ISO).

What are the benefits of becoming 50001 ready?

An energy management system positions your organization to achieve and sustain energy and cost savings through informed and systematic decision-making. Structuring the management of energy—like most organizations already do with finance, personnel, inventory, production, and quality—improves certainty in outcomes and reduces the risk of unexpected energy-related financial obligations. Following implementation of an energy management system, business leaders in all types of organizations have seen substantial improvements in facility energy performance.

By becoming 50001 Ready, cutting-edge organizations will be early leaders in gaining the value of structured energy management systems, and your experiences and input will help guide the U.S. DOE as it supports the adoption of these systems and unlocks the resultant savings for the U.S. economy.

How to become 50001 ready

The 50001 Ready program offers U.S. DOE recognition for the self-attested achievement of implementing an energy management system in line with the requirements of ISO 50001, without requiring any third-party audits or verification. Achieving the 50001 Ready designation involves three key steps:

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[1] 50001 Ready Program, U.S. DOE 50001 Ready Navigator: https://navigator.industrialenergytools.com/faq

1. Complete the 25 tasks in the 50001 Ready Navigator

Follow the guidance and track your progress through four topic areas (Planning, Energy Review, Continual Improvement, and System Management) in the 50001 Ready Navigator, an online guide provided by U.S. DOE. All guidance in the Navigator will be maintained by U.S. DOE to ensure alignment with ISO 50001.

2. Self-attest to their completion

Have your energy management team lead and a senior management representative sign a simple self-attestation form to confirm the establishment of an energy management system once all tasks in the 50001 Ready Navigator have been completed.

3. Measure and improve energy performance over time

Use U.S. DOE's EnPI or EnPI Lite tools, U.S. Environmental Protection Agency's (U.S. EPA's) ENERGY STAR Portfolio Manager, or other qualifying calculators provided by utility programs to model, compare and report energy performance between years.

Note: U.S. DOE recognition for becoming 50001 Ready is currently only available to facilities located in the U.S. For more information, please contact us.

Who can participate in 50001 ready?

Any organization interested in developing a strong energy management system to cut costs and improve environmental performance should pursue 50001 Ready. The program and supporting tools were built to accommodate multiple, diverse sectors, including manufacturing, commercial buildings, public institutions, data centers, and laboratories. 50001 Ready can benefit those organizations with strong existing energy programs, as well as those new to energy management.

The 50001 Ready designation is currently only available to facilities located in the U.S. users with facilities outside of the U.S. are welcome to continue to use the guidance and resources available in the Navigator, but are not eligible to receive U.S. DOE recognition.

Getting started[2]

Step 1: Explore the 50001 Ready Navigator

- Visit navigator.industrialenergytools.com

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[2] Getting Started: Navigator, U.S. DOE 50001 Ready: https://betterbuildingssolutioncenter.energy.gov/sites/default/files/attachments/Getting%20Started-Navigator.pdf

- View all guidance, resources, and FAQs
- Access the Help Desk

Step 2: Create an account
- Contribute to projects and track progress
- Collaborate with team members

Step 3A: Create your own project
- Create your own project if you are a facility manager or directly responsible for one or several facilities.
- Build your project team
- Maintain full administrator control over your projects

Step 3B: Create a project for somebody else
- Create a project for somebody else if you are a portfolio manager or indirectly responsible for multiple facilities. Examples include:
  - Headquarters for an organization with multiple facilities
  - Corporate membership coalitions or affiliations
  - Energy efficiency or utility programs

By creating a project for somebody else, you can:
- Assign a project administrator with hands-on control
- Receive notifications for project status and recognition alerts
- Access portfolio overview of all projects

Step 4: Start managing energy!
- Track your progress through 25 easy-to-follow tasks to implement your 50001 Ready energy management system.
- Experts are available through the online Help Desk to provide additional guidance and answer all of your questions!

How to use the 50001 Navigator[3]

The 50001 Ready Navigator is a free resource provided by U.S. DOE to help implement and maintain energy management systems according to the best practices of ISO 50001, the global standard to achieve continuous energy improvement.

The 50001 Ready Navigator is comprised of four assignments:

- Planning
- Energy Review
- Continual Improvement
- System Management

Each assignment has several tasks, with each task corresponding directly with establishing the energy management system requirements specified in ISO 50001. There are 25 tasks in total.

Planning

1. Scope and Boundaries
2. Energy Policy
3. Management Commitment
4. Energy Team
5. Legal Requirement

Energy Review

6. Data Collection
7. Data Analysis
8. Significant Energy Uses (SEUs)
9. Relevant Variables
10. Performance Indicators (EnPIs)
11. Baselines, Objectives and Targets
12. Improvement Opportunities
13. Improvement Projects

Continual Improvement

14. Monitoring

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[3] How do I use the 50001 Ready Navigator, U.S. DOE 50001 Ready Navigator: https://navigator.industrialenergytools.com/faq

15. Measurement
16. Operational Controls
17. Corrective Actions
18. Energy Consideration in Design

System Management

19. Documentation and Records
20. Communications
21. Training
22. Procurement
23. Internal Audit
24. Calculate Energy Savings
25. Management Review

Each task includes three tabs that describe the high level ("Getting It Done"), general synopsis ("Task Overview"), and technical requirements ("Full Description") to help you complete the task. Once you are logged in, you can use Navigator to track your progress on the completion of each task, and of the project as a whole. You can set up multiple projects in Navigator, with each project being a facility as defined in Task 1: Scope and Boundaries. You can also assign tasks to members of your energy team, and use the 50001 Ready Navigator to coordinate and streamline your team's efforts.

Find out more about how to use Navigator by exploring the tool (no login required) or reading about the Frequently Asked Questions at the U.S. DOE 50001 Ready Navigator website.[4]

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[4] Welcome to the 50001 Ready Navigator, U.S. DOE 50001 Ready Navigator: https://navigator.industrialenergytools.com/