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Moving the Masses to ISO 50001 with 50001 Ready

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Key Takeaways

1. **Energy management is a journey not just a certification!**

2. **50001 Ready Navigator** – Self paced online guide to implementing an organization wide energy management system that is based upon ISO 50001.

3. **Energy Performance Indicator Lite calculator** – Online linear regression based tool that calculates normalized energy savings using data specific to a facility.

4. **50001 Ready Program** – Recognition given by the U.S. DOE to facilities that complete the 25 tasks of the 50001 Ready Navigator and supply data showing energy performance improvement (one option is to use the EnPI Lite calculator).

ISO 50001 Overview

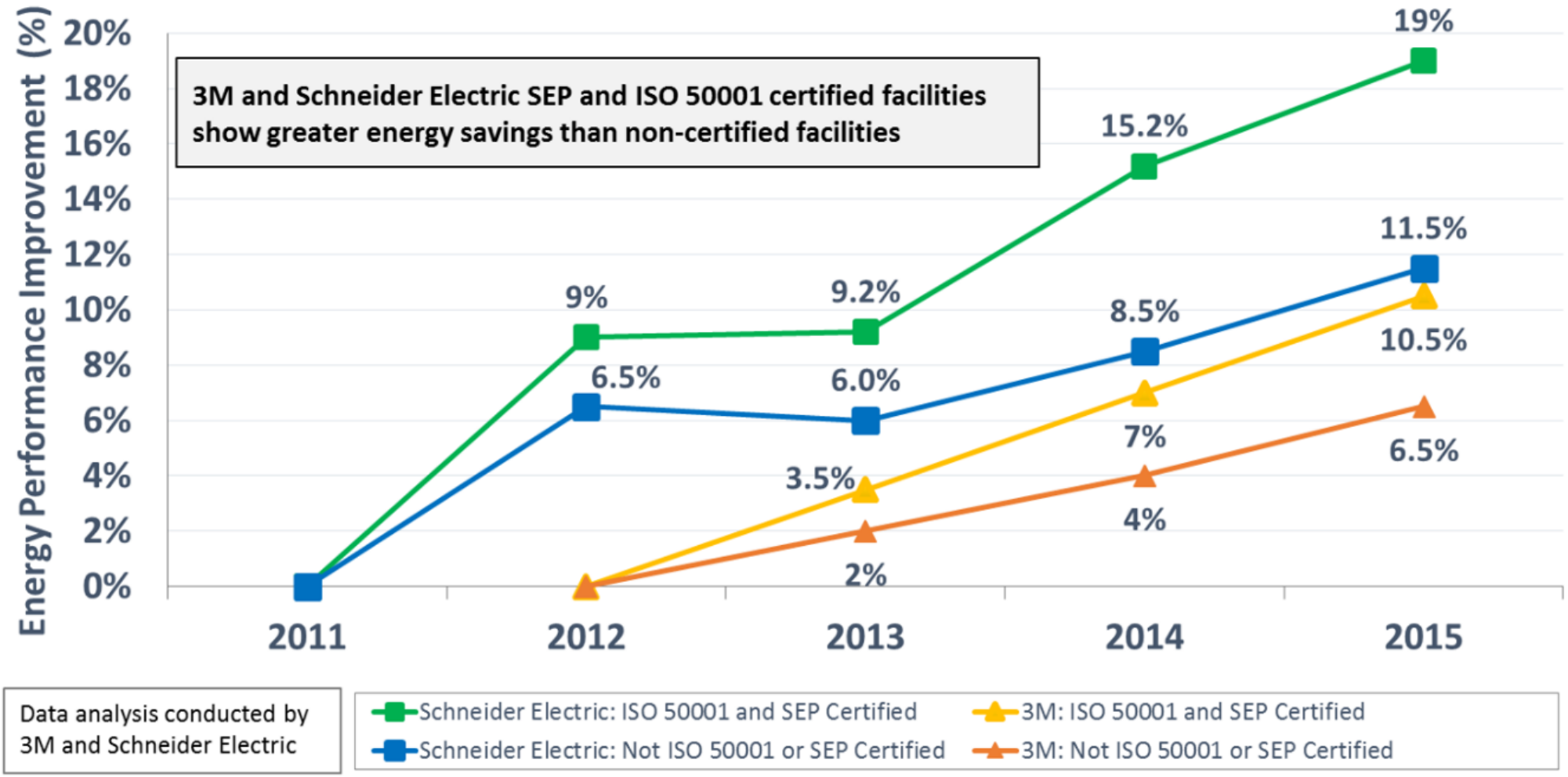
- What it is:
  - A **global standard** around managing energy
  - A **management model** for continual improvement of energy performance
    - Similar to quality (ISO 9001) and environmental (ISO 14001) management system standards



A management system is:
- ✓ Say what you do
- ✓ Do what you say
- ✓ Prove it
- ✓ Improve it

- What it does:
  - Builds institutional knowledge
  - Engages all staff (executive, facility, procurement, communications, etc.)
  - Creates the market pull and business culture to invest in advanced energy efficiency technologies
  - Reduces business risks associated with energy
  - Establishes an ingrained culture around energy performance

ISO 50001 Delivers Results



Savings at certified facilities greater on average compared to non-certified facilities:

- **3M: 62% greater over 3 years:** 18 ISO 50001 sites across 7 countries; 2 US SEP, 1 Korea SEP certified; 257 non-ISO 50001
- **Schneider Electric: 65% greater over 4 years:** 20 ISO 50001 in North America; 16 US SEP certified; 30 non-ISO 50001



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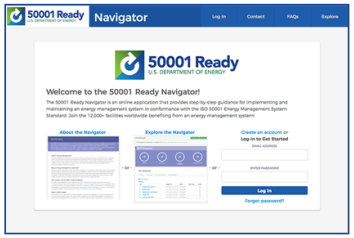
50001 Ready Navigator – A Free Online Resource

Energy.gov/50001Ready

50001 READY PROGRAM

The U.S. Department of Energy's 50001 Ready program recog nd organizations that practice ISO 50001-based energy managem m does not require any external audits or certifications, and is a self-pa y for organizations to build a culture of structured energy impr per and sustained savings. 50001 Ready partners with utilities an s that support and facilitate the implementation of 50001 Ready energ ent systems. **Find out more about continuous energy improvement and 50001 Ready >>**

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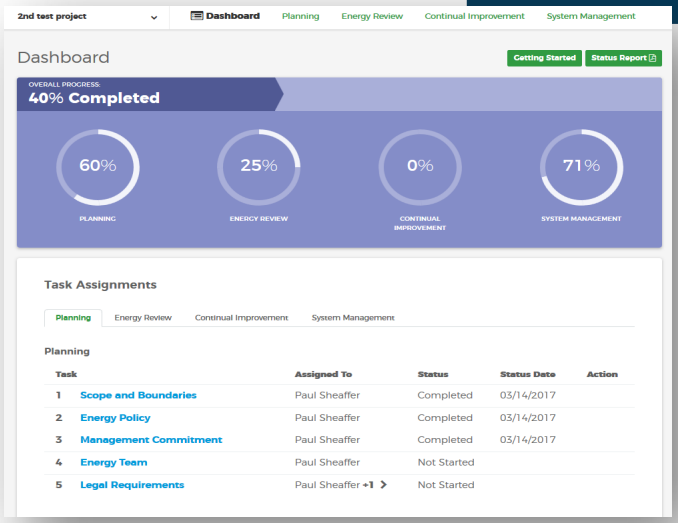
DOE's Navigator web app provides step-by-step guidance and useful tools and templates to help you implement your energy management system. **Click here to go to the 50001 Ready Navigator >>**

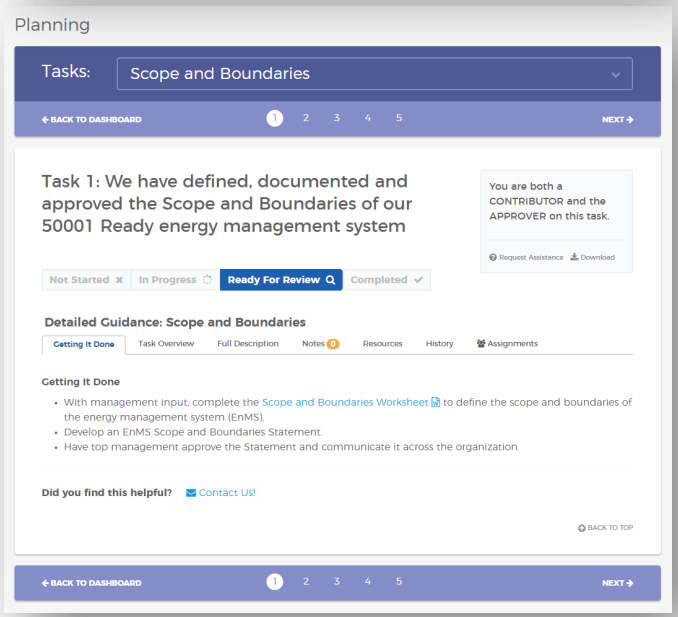
SEARCH

PARTNER SOLUTIONS AND PROGRAM RESOURCES

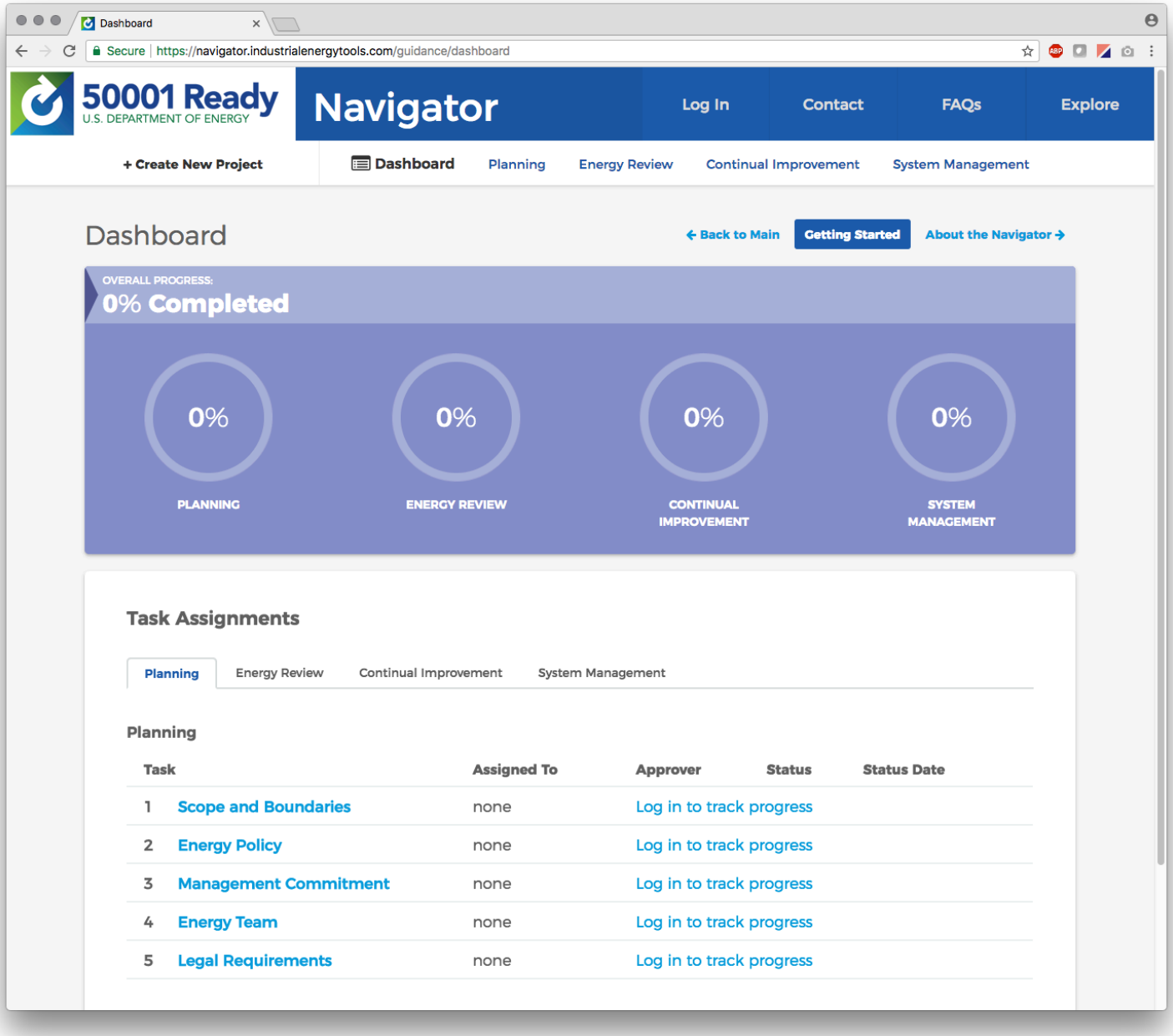
50001 Ready Navigator

- Simple, step-by-step guidance to ISO 50001 implementation
- Developed and maintained by DOE to provide free training and information to the market
- Guidance provided in easy-to-understand language, focusing on:
  - Actionable steps to get it done
  - Understanding the practical application of ISO 50001
  - Building off your experience with ISO 9001/14001 or Energy Star
- Track progress and facilitate team collaboration





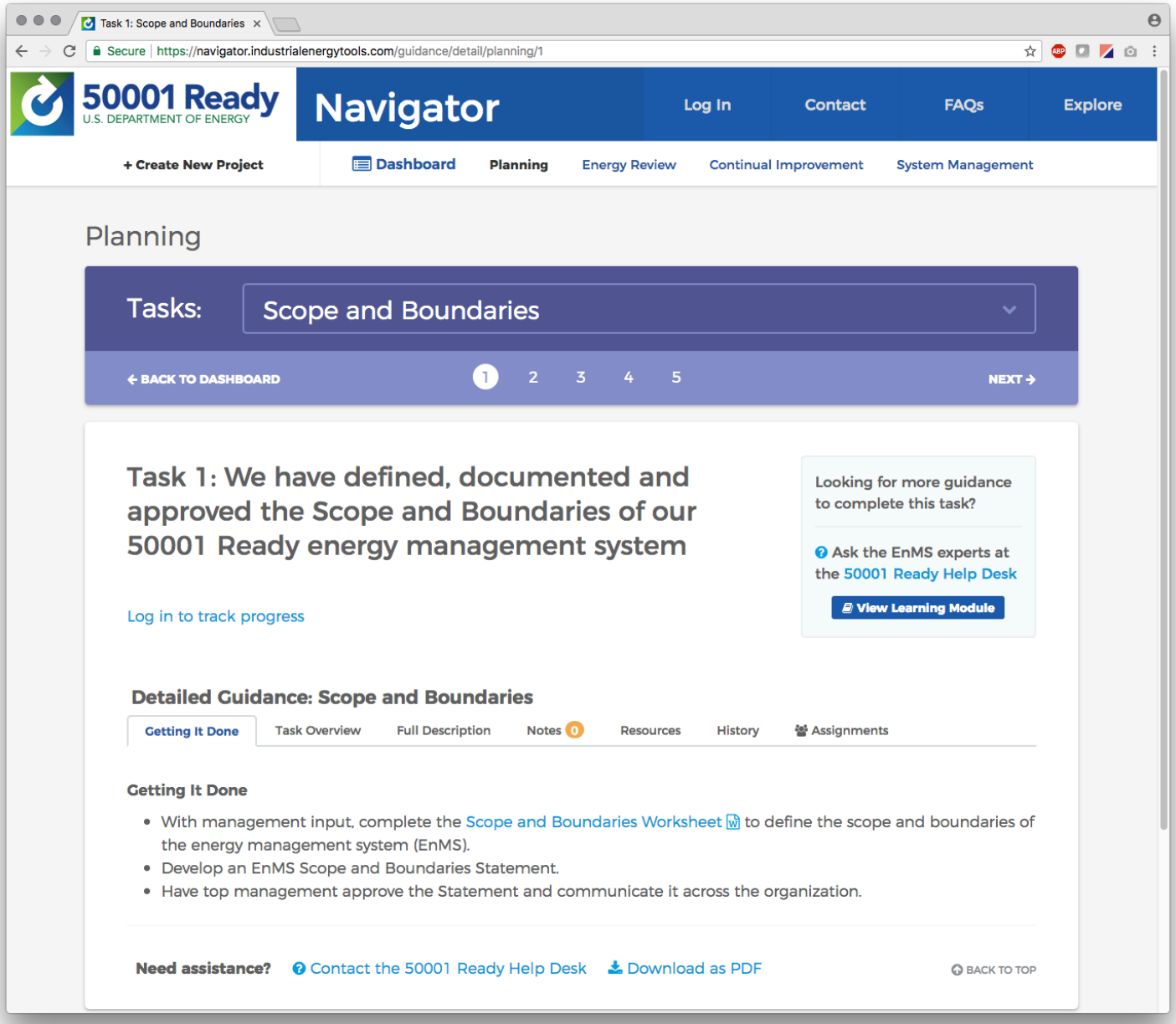
50001 Ready Navigator — Dashboard



Follow guidance through 25 tasks to be 50001 Ready.

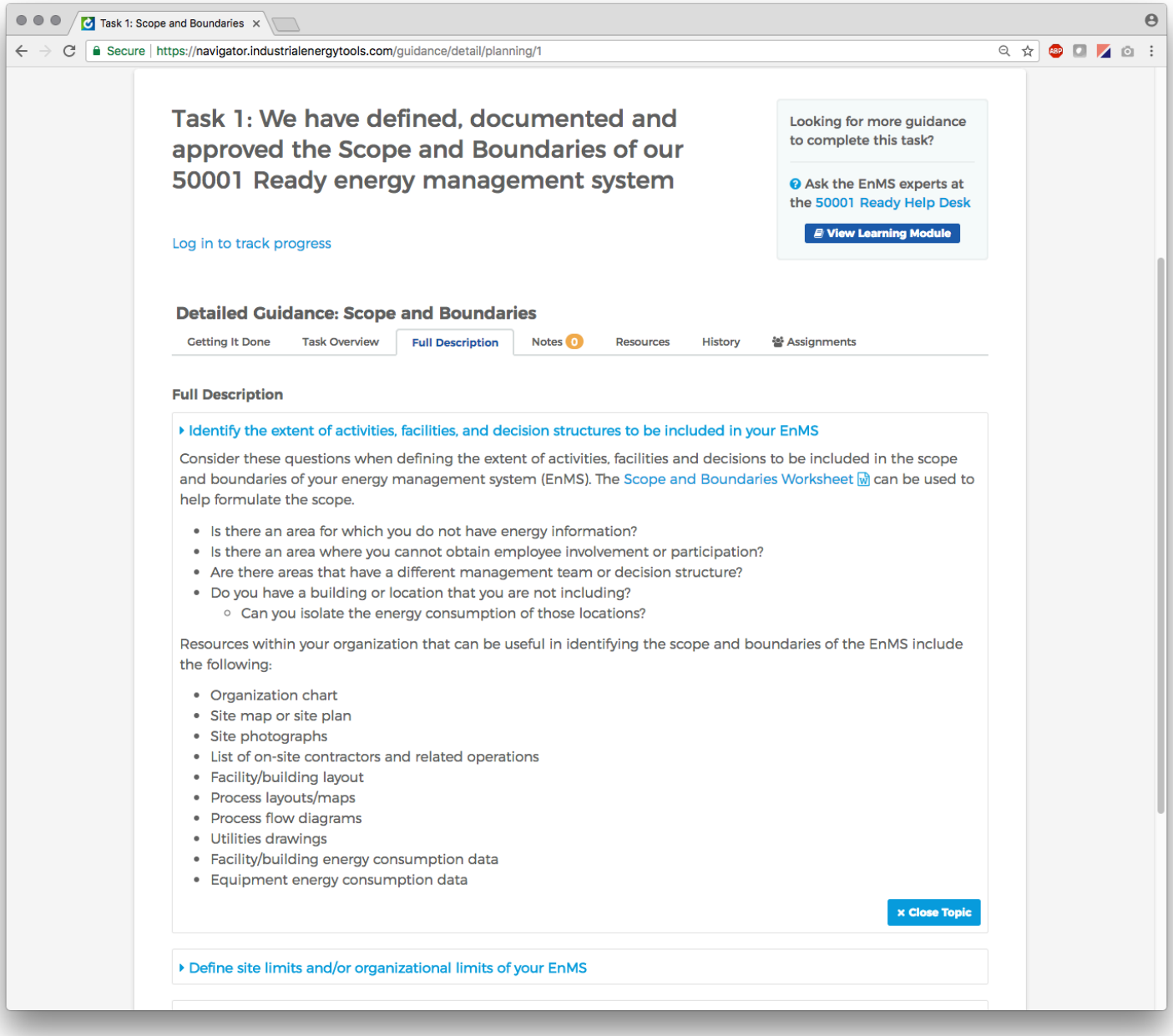
All guidance fully available even without login.

50001 Ready Navigator — Task Guidance



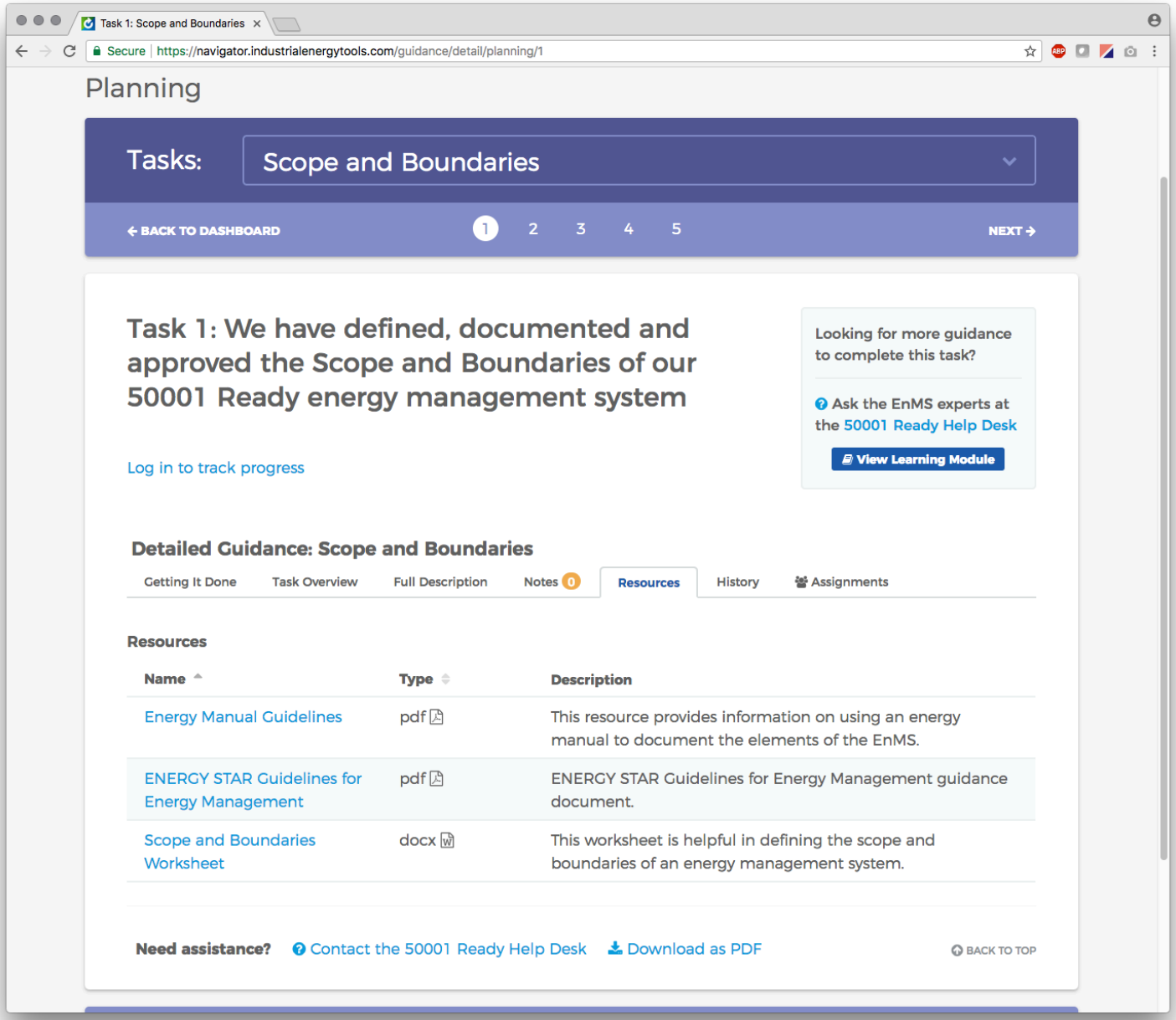
Guidance translated into actionable steps with links to templates, worksheets, and helpful guides

50001 Ready Navigator — Task Guidance



See the "Full Description" tab for detailed, hands-on guidance to accomplish each task, according to the best practices of ISO 50001.

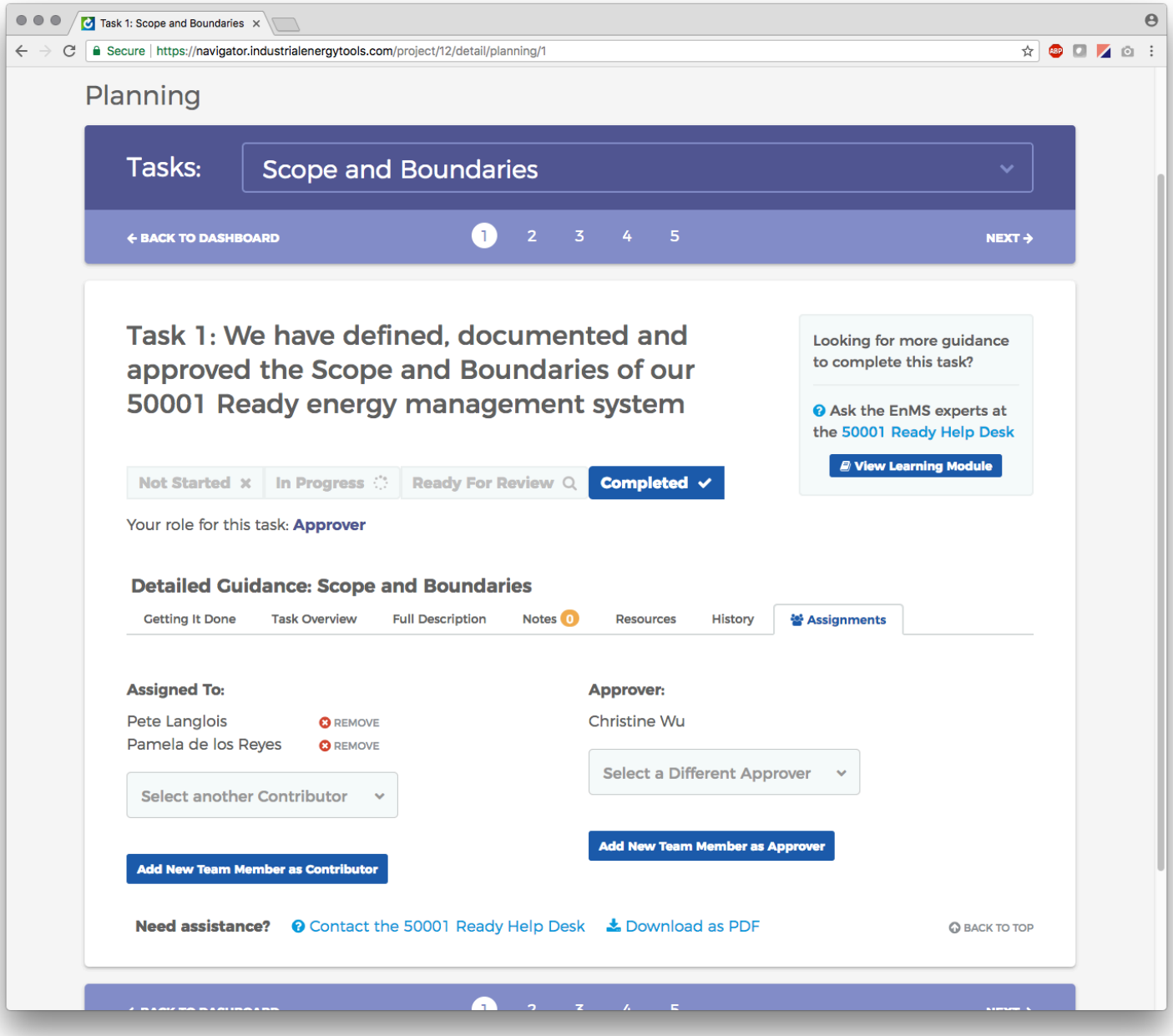
50001 Ready Navigator — Resources



See a comprehensive list of resources for each task.

Over 100+ total resources include templates, worksheets, sample documents, tools and calculators.

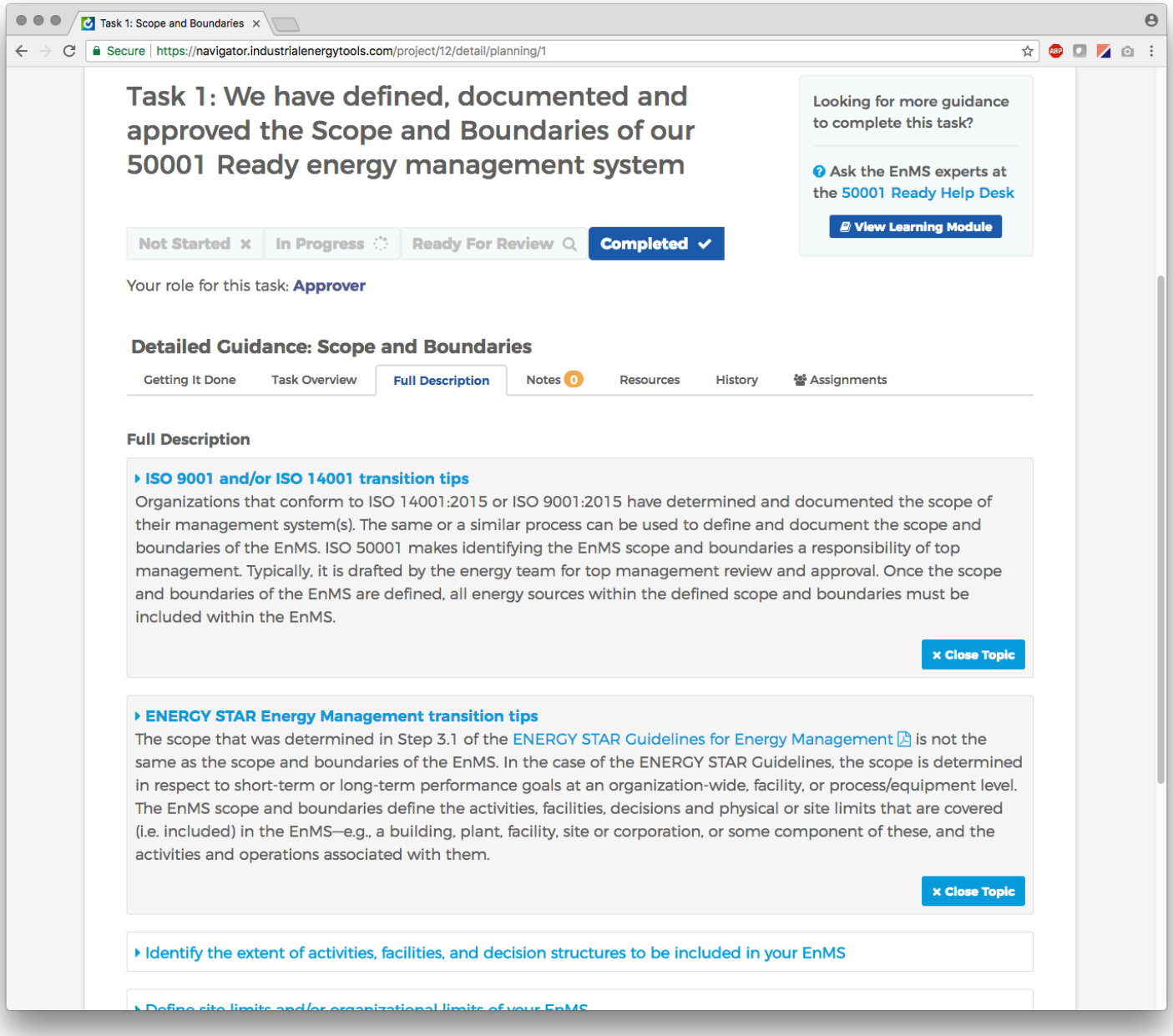
50001 Ready Navigator — Team Management



Log in to:

- Track progress on each task
- Assign team members to complete or approve each task
- Add progress notes (e.g., meeting notes, file locations) for team members

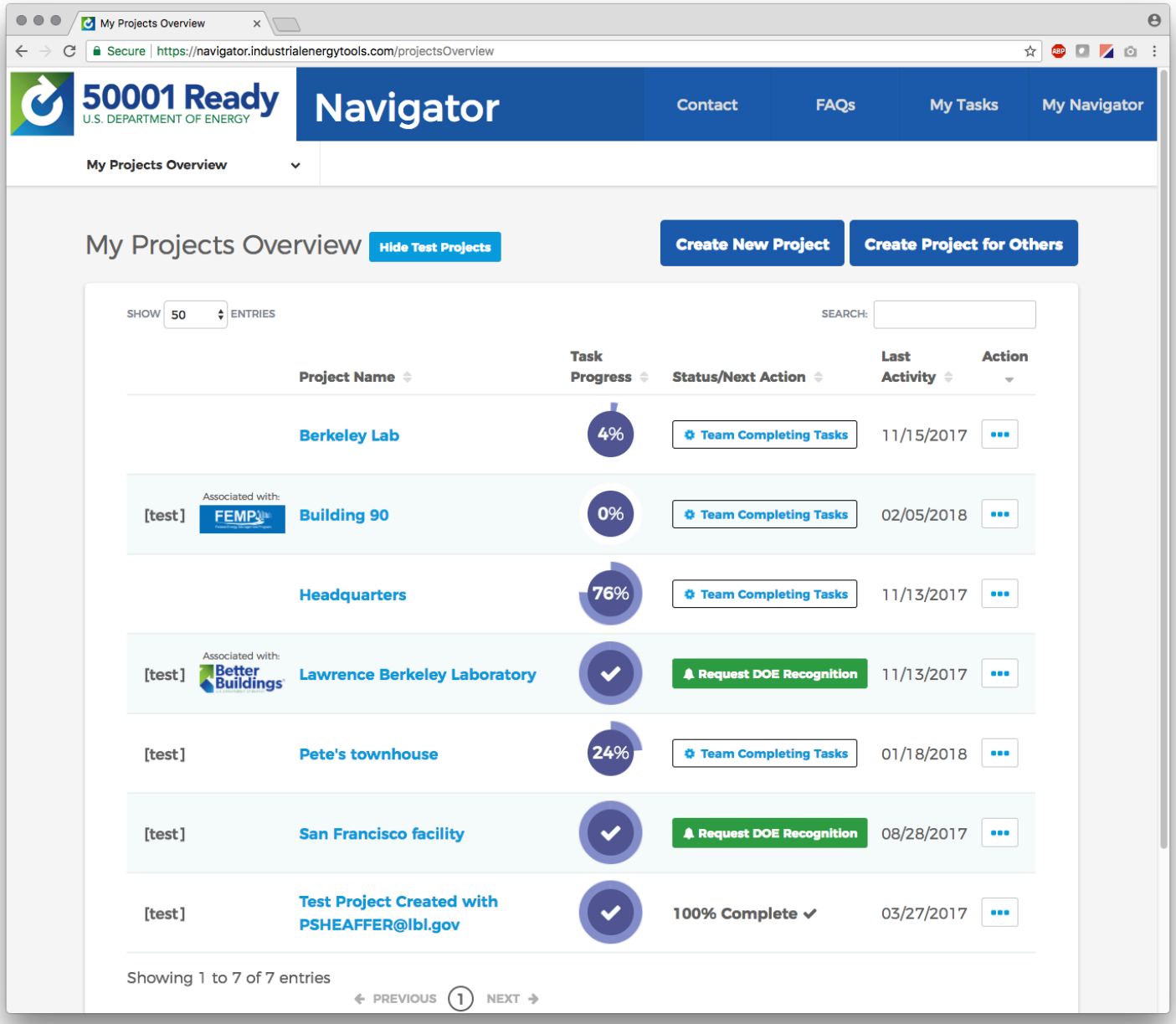
50001 Ready Navigator — Transition Tips



Log in to:

- See transition tips for ISO 9001/14001 and ENERGY STAR
- Additional transition tips to be added in the future

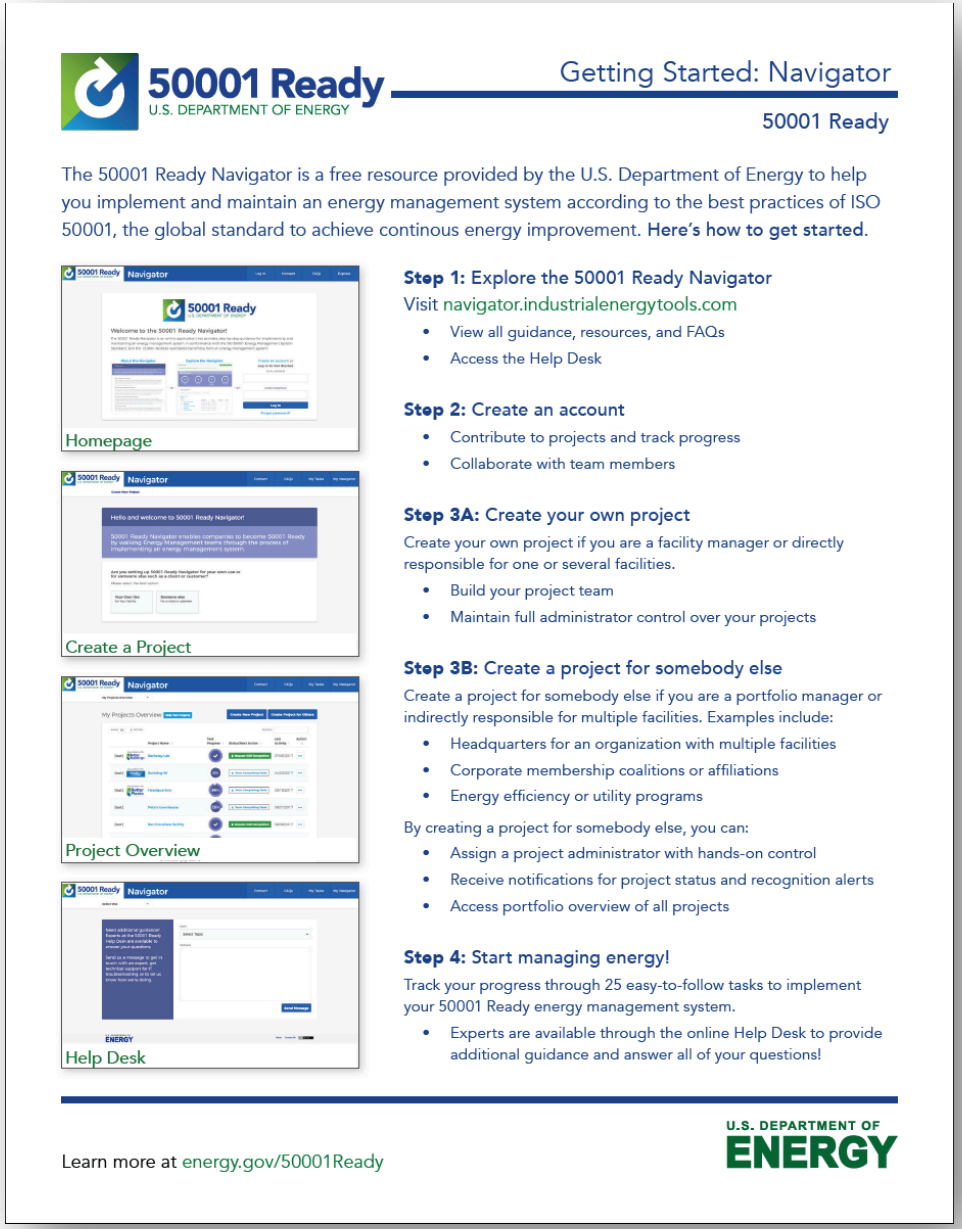
50001 Ready Navigator — Track Projects



Log in to:

- Track multiple projects and manage multiple teams
- Upload Attestation Form and Energy Report directly in the Navigator

50001 Ready Navigator — Getting Started & Help Desk



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Getting Started: Navigator

50001 Ready

The 50001 Ready Navigator is a free resource provided by the U.S. Department of Energy to help you implement and maintain an energy management system according to the best practices of ISO 50001, the global standard to achieve continous energy improvement. **Here's how to get started.**

Homepage

Create a Project

Project Overview

Help Desk

Step 1: Explore the 50001 Ready Navigator
Visit navigator.industrialenergytools.com

- 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!

Learn more at energy.gov/50001Ready

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Get started by creating an account and starting your first project!

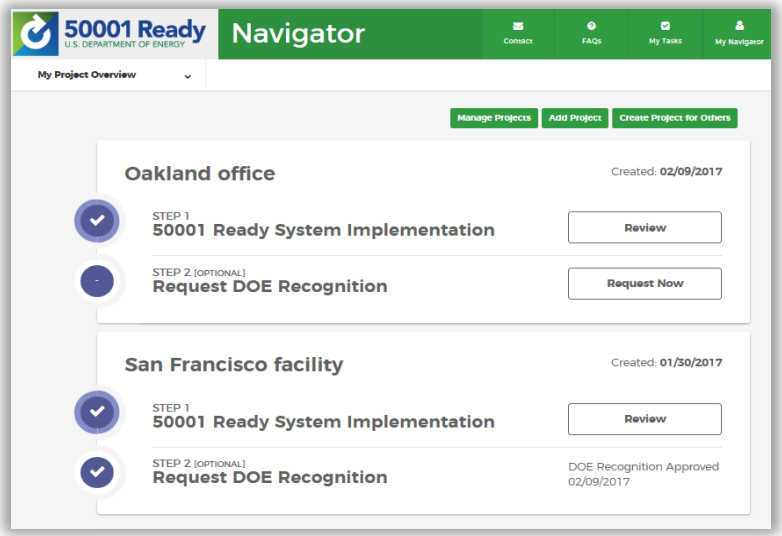
- Create a test project to view transition tips and tracking capabilities
- Invite team members to test Notes and Task Management capabilities
- Send questions to the Help Desk!

50001 Ready Recognition – Currently US Only

50001 Ready recognition from DOE requires:

- Facility being located in the United States (coming soon to Mexico, Canada, and others)
- Self-attestation to completion of all 25 tasks in the 50001 Ready Navigator
- Proof of energy performance calculations through EnPI Lite or related energy performance calculators.

Projects can be submitted for recognition directly through the 50001 Ready Navigator



50001 Ready Designees







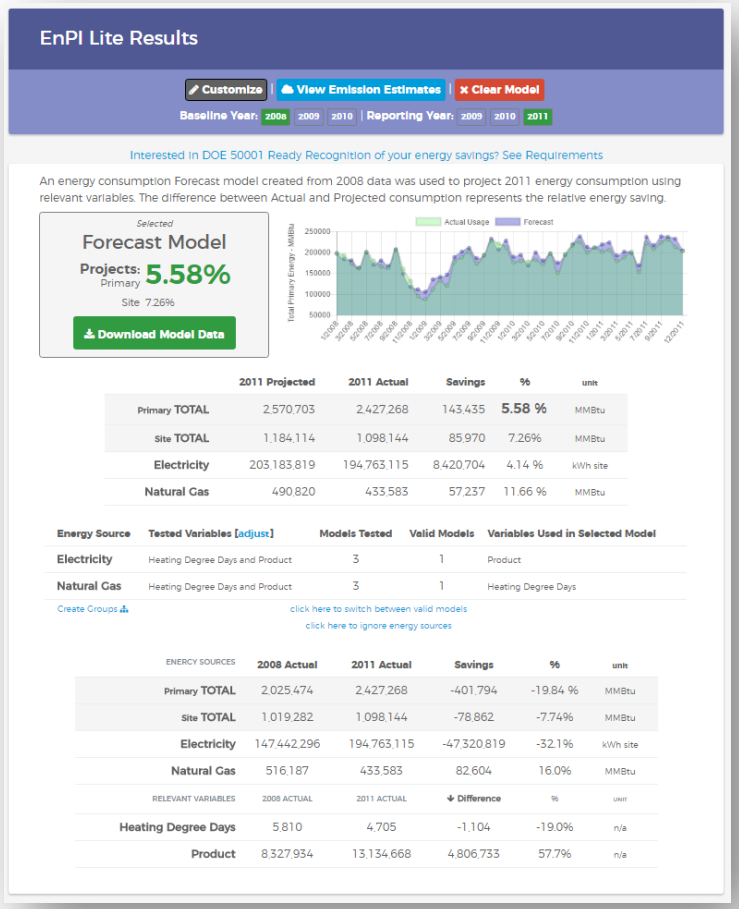




EnPI Lite

A web based calculator developed and maintained by DOE that estimates facility-wide **energy savings** relative to relevant variables, like production levels and weather, using linear regression.

A user-friendly way for the market to practice regression-based energy modeling.



Find Out More!



Visit the 50001 Ready website at **energy.gov/50001Ready**

- Download info sheets and FAQs
- Find links to 50001 Ready Navigator and EnPI Lite
- See 50001 Ready facilities
- Read case studies and additional resources
- Read more about ISO 50001 and related programs

DOE's Dual Approach to EnMS/ISO 50001 Adoption

50001 Ready: Recognition for ISO 50001 conformance using guidance in DOE's 50001 Ready Navigator tool

ISO 50001 Certification

Superior Energy Performance (SEP): Recognition for ISO 50001 certification and 3rd party verification of energy performance improvements

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DOE Role	Providing tools and the market onramp	Providing verified results and outcomes
Market Purpose	DOE's 50001 Ready self-attestation program prepares organizations for certification	DOE's SEP program fills the gap in the market for verified energy performance improvements from ISO 50001 implementation
M&V Protocol	50001 Ready M&V Protocol	SEP M&V Protocol
Tools	50001 Ready Navigator EnPI Lite	50001 Ready Navigator Energy Performance Indicator (EnPI) Tool
Path to Achieve-ment	1. Complete 25 steps in 50001 Ready Navigator 2. Self-attest to completion 3. Report energy performance	1. ISO 50001 certification 2. 3rd party SEP Performance Verification audit