



50001 Ready
U.S. DEPARTMENT OF ENERGY

U.S. DEPARTMENT OF
ENERGY

Energy Efficiency &
Renewable Energy

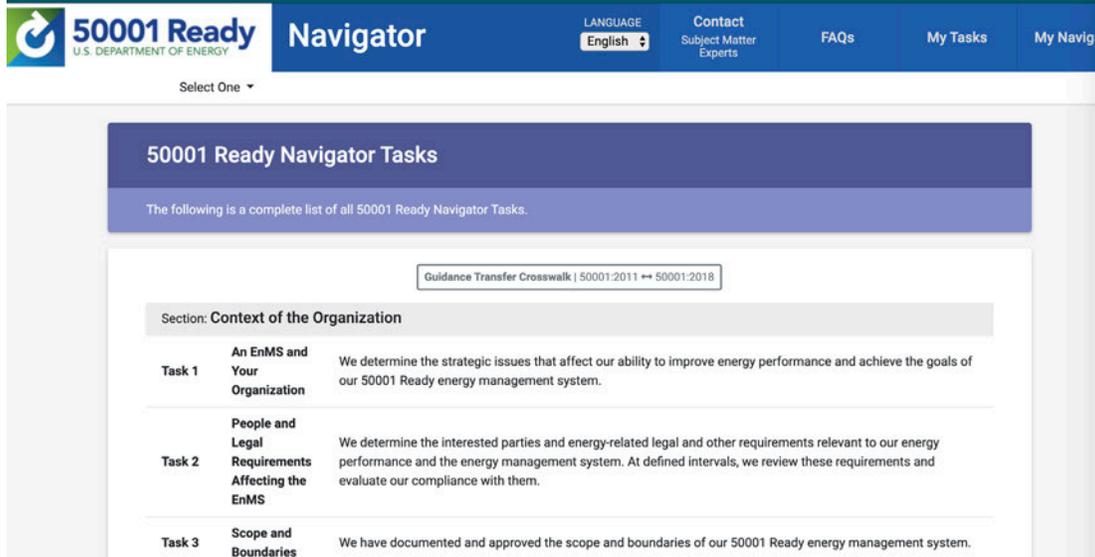


50001 Ready
Utility Network Series
February 2020

U.S. Department of Energy
Technical Partnerships
Advanced Manufacturing Office

- Navigator guidance now aligns to ISO 50001:2018 Energy Management System standard. Formerly aligned to ISO 50001:2011.
 - Project migration
 - Multi-site
- Additional Navigator Features:
 - Partner platform
- Q&A

1. 50001 Ready Navigator updates
 - Navigator 3.0 transition
 - Resource updates
 - 50001 Ready recognition and promotion
 - Utilities and partners engaged with 50001 Ready
2. Program participation
3. US TAG for ISO TC 301
4. 50001 Ready news and updates



The screenshot shows the 50001 Ready Navigator website. The header includes the 50001 Ready logo, a language dropdown set to English, and navigation links for Contact, FAQs, My Tasks, and My Navigator. Below the header, there is a section titled "50001 Ready Navigator Tasks" with a sub-header "The following is a complete list of all 50001 Ready Navigator Tasks." A filter box shows "Guidance Transfer Crosswalk | 50001:2011 ↔ 50001:2018". The main content area is titled "Section: Context of the Organization" and lists three tasks:

| Task | Task Description |
|--------|---|
| Task 1 | An EnMS and Your Organization We determine the strategic issues that affect our ability to improve energy performance and achieve the goals of our 50001 Ready energy management system. |
| Task 2 | People and Legal Requirements Affecting the EnMS 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 3 | Scope and Boundaries We have documented and approved the scope and boundaries of our 50001 Ready energy management system. |

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

The 50001 Ready Navigator has now been updated to reflect the changes made to the latest version of the ISO 50001 Energy Management System Standard – ISO 50001:2018

KEY CHANGES:

- **Introduction of the “High-Level Structure”, (HLS):** Provides common ISO structure, terms and definitions.
 - Increased compatibility across various ISO management system standards (including ISO 14001 and ISO 9001).
- **Emphasis on business objectives:** Incorporates an organization’s strategic direction.
 - Clarity of roles in top management and an increased integration with management practices.
- **Normalization of energy performance improvement:** Accounts for changes in energy variables
 - Employs an “apples to apples” comparison of energy improvement when calculating weather, production, and occupancy.

The 50001 Ready Navigator still has 25 tasks, but they have been realigned to conform ISO's High Level Structure (HLS)

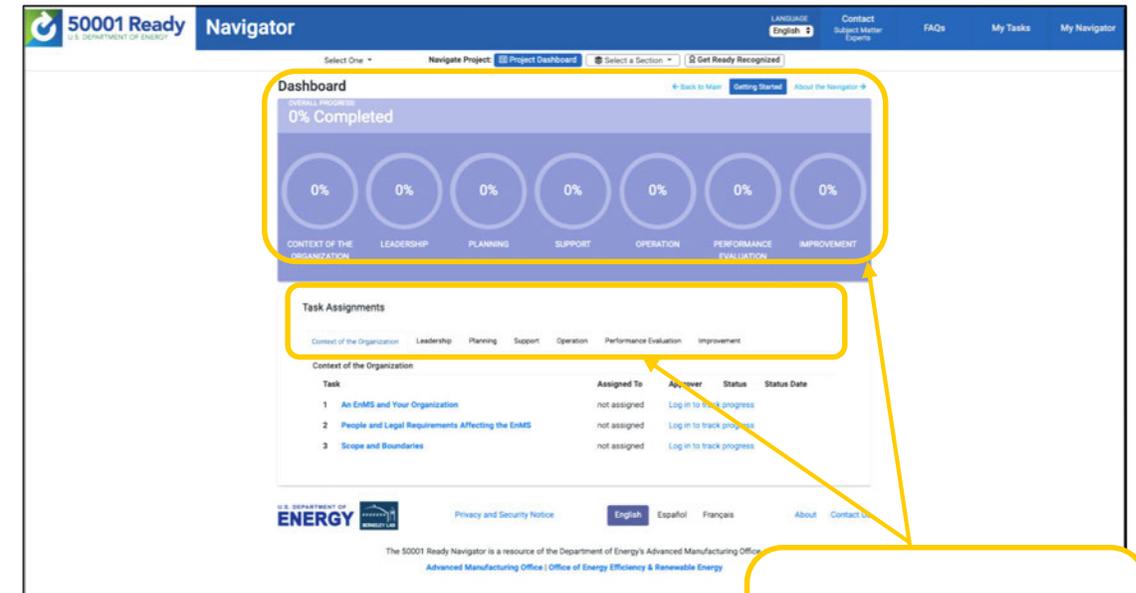
- ✓ Refer to the Navigator's Guidance Transfer Crosswalk for details!
- ✓ Search either by the tasks in the 2011 guidance or by the 2018 guidance

| Guidance Transfer Crosswalk | | |
|---|--|--|
| New 50001:2018 from Old 50001:2011 | Old 50001:2011 to New 50001:2018 | |
| NEW 50001:2018 Tasks | Old 50001:2011 Tasks | Transfer Notes |
| 1 An EnMS and Your Organization | <i>new 50001:2018 task</i> | |
| 2 People and Legal Requirements Affecting the EnMS | <= 5 Legal Requirements | • Direct Transfer |
| 3 Scope and Boundaries | <= 1 Scope and Boundaries | • Direct Transfer |
| 4 Management Commitment | <= 3 Management Commitment | • Direct Transfer |
| 5 Energy Policy | <= 2 Energy Policy | • Direct Transfer |
| 6 Energy Team and Resources | <= 4 Energy Team | • Direct Transfer |
| 7 Risks to EnMS Success | <i>new 50001:2018 task</i> | |
| 8 Energy Data Collection and Analysis | <= 6 Data Collection 7 Data Analysis | • Merge Assignments |
| 9 Significant Energy Uses (SEUs) | <= 8 Significant Energy Uses (SEUs) 9 Relevant Variables | • Merge Assignments • Task 9 Shared |
| 10 Improvement Opportunities | <= 12 Improvement Opportunities | • Direct Transfer |
| 11 Energy Performance Indicators (EnPIs) and Baselines (EnBs) | 9 Relevant Variables <= 10 Performance Indicators (EnPIs) 11 Baselines, Objectives and Targets | • Merge Assignments • Task 9 Shared • Task 11 Shared |
| 12 Objectives and Targets | <= 11 Baselines, Objectives and Targets | • Direct Transfer • Task 11 Shared |
| 13 Action Plans for Continual Improvement | <= 13 Improvement Projects | • Direct Transfer |
| 14 Competence and Training | <= 21 Training | • Direct Transfer |
| 15 Awareness and Communication | <= 20 Communications | • Direct Transfer |
| 16 Documenting the EnMS | <= 19 Documentation and Records | • Direct Transfer |
| 17 Operational Controls | <= 16 Operational Controls | • Direct Transfer |
| 18 Energy Considerations in Design | <= 18 Energy Consideration in Design | • Direct Transfer |
| 19 Energy Considerations in Procurement | <= 22 Procurement | • Direct Transfer |
| 20 Monitoring and Measurement of the EnMS | 14 Monitoring <= 15 Measurement | • Merge Assignments |
| 21 Monitoring and Measurement of Energy Performance Improvement | <= 24 Calculate Energy Savings | • Direct Transfer |
| 22 Internal Audit | <= 23 Internal Audit | • Direct Transfer |
| 23 Management Review | <= 25 Management Review | • Direct Transfer |
| 24 Corrective Actions | <= 17 Corrective Actions | • Direct Transfer |
| 25 Continual Improvement | <i>new 50001:2018 task</i> | |

Navigator content structure

The 25 tasks are grouped by the **seven** sections of the ISO 50001:2018 standard:

- ✓ Context of the Organization (tasks 1-3)
- ✓ Leadership (tasks 4-6)
- ✓ Planning (tasks 7-13)
- ✓ Support (tasks 14-16)
- ✓ Operation (tasks 17-19)
- ✓ Performance Evaluation (tasks 20-23)
- ✓ Improvement (tasks 24-25)



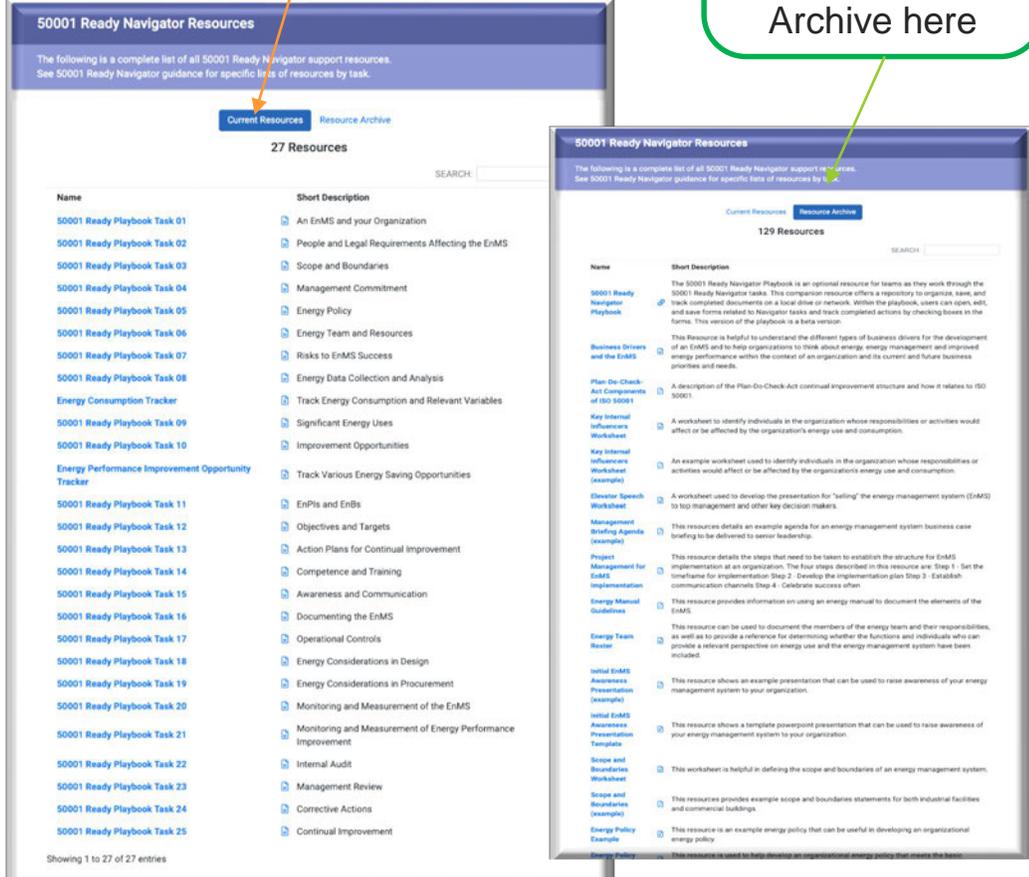
Track each section's progress right from your dashboard

Navigator resource updates

- 25 resource worksheets (plus two trackers) have been created to accompany each of the 25 tasks.
 - The multiple resources have been streamlined and realigned to the revised 2018 structure.
- We've done the editing for you
 - No more wading through 129 resources to determine which may or may not best support your needs, the most impactful resources are right where you need them.
- In the middle of a project in the older version or looking for a specific resource you used before?
 - Not yet ready to let go of the older resources?
 - Log in with your credentials to access all 129 of the old resource documents from the Resource Index page
 - Keep in mind: The old resources will not match up in content or structure!

New resources are available on the Resource page!

If needed, the old resources can be found on the Resource Archive here



The following is a complete list of all 50001 Ready Navigator support resources. See 50001 Ready Navigator guidance for specific lists of resources by task.

Current Resources Resource Archive

27 Resources

| Name | Short Description |
|--|--|
| 50001 Ready Playback Task 01 | An EnMS and your Organization |
| 50001 Ready Playback Task 02 | People and Legal Requirements Affecting the EnMS |
| 50001 Ready Playback Task 03 | Scope and Boundaries |
| 50001 Ready Playback Task 04 | Management Commitment |
| 50001 Ready Playback Task 05 | Energy Policy |
| 50001 Ready Playback Task 06 | Energy Team and Resources |
| 50001 Ready Playback Task 07 | Risks to EnMS Success |
| 50001 Ready Playback Task 08 | Energy Data Collection and Analysis |
| Energy Consumption Tracker | Track Energy Consumption and Relevant Variables |
| 50001 Ready Playback Task 09 | Significant Energy Uses |
| 50001 Ready Playback Task 10 | Improvement Opportunities |
| Energy Performance Improvement Opportunity Tracker | Track Various Energy Saving Opportunities |
| 50001 Ready Playback Task 11 | EnPIs and EnBs |
| 50001 Ready Playback Task 12 | Objectives and Targets |
| 50001 Ready Playback Task 13 | Action Plans for Continual Improvement |
| 50001 Ready Playback Task 14 | Competence and Training |
| 50001 Ready Playback Task 15 | Awareness and Communication |
| 50001 Ready Playback Task 16 | Documenting the EnMS |
| 50001 Ready Playback Task 17 | Operational Controls |
| 50001 Ready Playback Task 18 | Energy Considerations in Design |
| 50001 Ready Playback Task 19 | Energy Considerations in Procurement |
| 50001 Ready Playback Task 20 | Monitoring and Measurement of the EnMS |
| 50001 Ready Playback Task 21 | Monitoring and Measurement of Energy Performance Improvement |
| 50001 Ready Playback Task 22 | Internal Audit |
| 50001 Ready Playback Task 23 | Management Review |
| 50001 Ready Playback Task 24 | Corrective Actions |
| 50001 Ready Playback Task 25 | Continual Improvement |

Showing 1 to 27 of 27 entries

The following is a complete list of all 50001 Ready Navigator support resources. See 50001 Ready Navigator guidance for specific lists of resources by task.

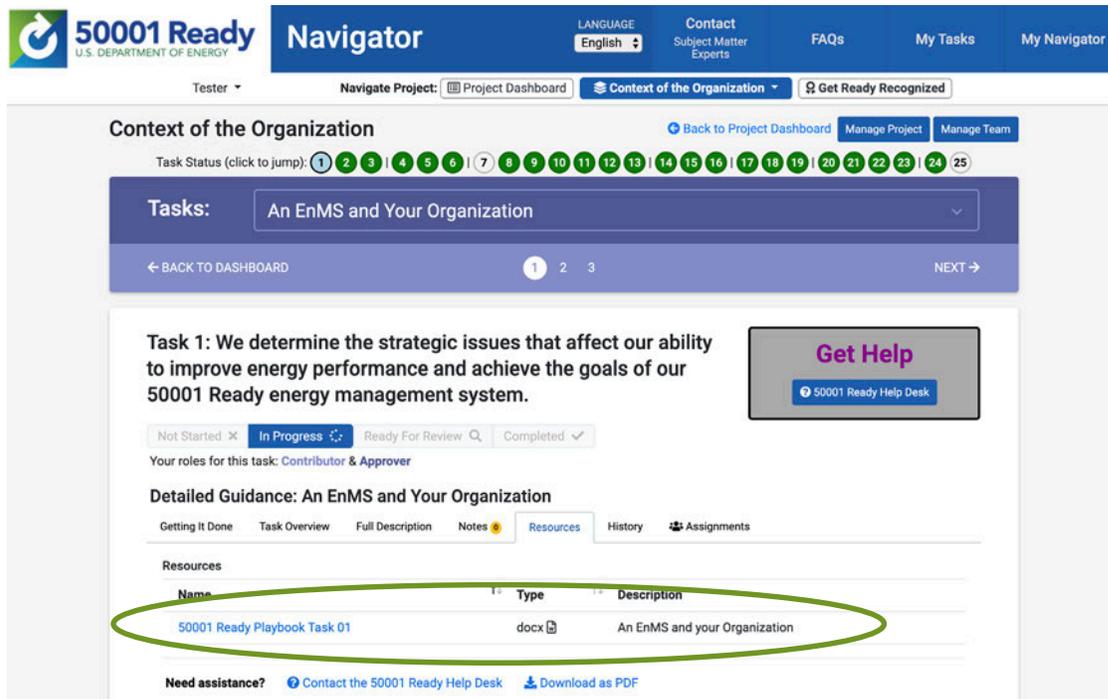
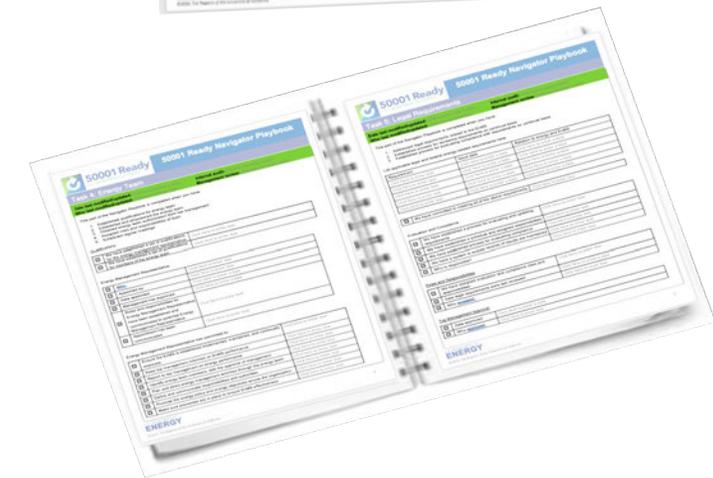
Current Resources Resource Archive

129 Resources

| Name | Short Description |
|---|---|
| 50001 Ready Navigator Playback | The 50001 Ready Navigator Playback is an optional resource for teams as they work through the 50001 Ready Navigator tasks. This companion resource offers a repository to organize, save, and track completed documents on a local drive or network. Within the playback, users can open, edit, and save forms related to Navigator tasks and track completed actions by checking boxes in the forms. This version of the playback is a beta version. |
| Business Drivers and the EnMS | This resource is helpful to understand the different types of business drivers for the development of an EnMS and to help organizations to think about energy management and improved energy performance within the context of an organization and its current and future business priorities and needs. |
| Plan-Do-Check-Act Components of ISO 50001 | A description of the Plan-Do-Check-Act continual improvement structure and how it relates to ISO 50001. |
| Key Internal Influences Worksheet | A worksheet to identify individuals in the organization whose responsibilities or activities would affect or be affected by the organization's energy use and consumption. |
| Key Internal Influences Worksheet (example) | An example worksheet used to identify individuals in the organization whose responsibilities or activities would affect or be affected by the organization's energy use and consumption. |
| Stavros Speech Worksheet | A worksheet used to develop the presentation for "setting" the energy management system (EnMS) to top management and other key decision makers. |
| Management Briefing Agenda (example) | This resource details an example agenda for an energy management system business case briefing to be delivered to senior leadership. |
| Project Management for EnMS Implementation | This resource details the steps that need to be taken to establish the structure for EnMS implementation at an organization. The four steps described in this resource are: Step 1 - Set the timeframe for implementation; Step 2 - Develop the implementation plan; Step 3 - Establish communication channels; Step 4 - Celebrate success often. |
| Energy Manual Guidelines | This resource provides information on using an energy manual to document the elements of the EnMS. |
| Energy Team Roster | This resource can be used to document the members of the energy team and their responsibilities, as well as to provide a reference for determining whether the functions and individuals who can provide a relevant perspective on energy use and the energy management system have been included. |
| Initial EnMS Awareness Presentation (example) | This resource shows an example presentation that can be used to raise awareness of your energy management system to your organization. |
| Initial EnMS Awareness Presentation Template | This resource shows a template powerpoint presentation that can be used to raise awareness of your energy management system to your organization. |
| Scope and Boundaries Worksheet | This worksheet is helpful in defining the scope and boundaries of an energy management system. |
| Scope and Boundaries Worksheet (example) | This resource provides example scope and boundaries statements for both industrial facilities and commercial buildings. |
| Energy Policy Example | This resource is an example energy policy that can be useful in developing an organizational energy policy. |
| Energy Policy | This resource is used to help develop an organizational energy policy that meets the intent of the law. |

Navigator resource updates (cont.)

- Each optional task worksheet functions on its own, but all put together forms a living system and record of an organization's EnMS
 - Multiple resources for each task have been streamlined to help you build your EnMS program one step at a time.



The screenshot shows the 50001 Ready Navigator web application. The header includes the logo, language selection (English), and navigation links like 'Contact Subject Matter Experts', 'FAQs', 'My Tasks', and 'My Navigator'. The main content area is titled 'Context of the Organization' and features a task status bar with 25 numbered steps. Below this, a dropdown menu shows 'An EnMS and Your Organization'. A 'Get Help' button is visible. The 'Resources' section contains a table with the following data:

| Name | Type | Description |
|------------------------------|------|-------------------------------|
| 50001 Ready Playbook Task 01 | docx | An EnMS and your Organization |

At the bottom, there are links for 'Need assistance?' (Contact the 50001 Ready Help Desk) and 'Download as PDF'.

How does this affect YOU?

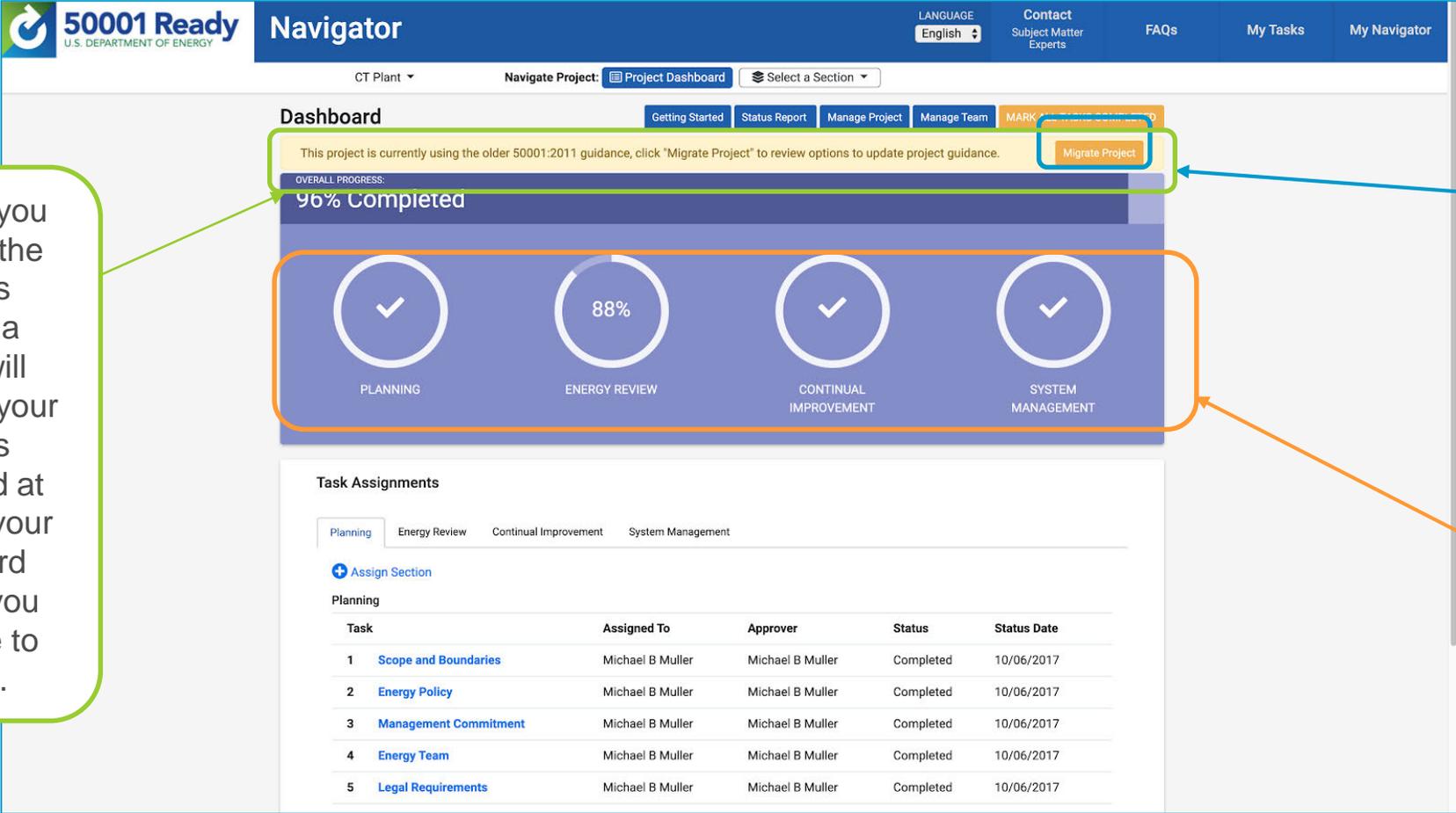
- ✓ This update to the 50001 Ready Navigator affects projects rather than users.
 - ✓ Individual projects will display either the original 50001 Ready Navigator or updated content depending on when the project was created and if it has been migrated yet.
 - ✓ A Navigator user can be part of projects using the original content and projects using the updated content. As a Navigator user you do not need to take any action.
 - ✓ Navigator project administrator's have a choice to make when to migrate their projects from the old to current version.

As a project Administrator, if you have a:

- ✓ **Project in process** – You will have up to one year to migrate your project.
- ✓ **Project in process that is part of a multi-site** - All projects must be migrated at once and at the discretion of your multi-site's central office administrator.
- ✓ **New project to create** - Any new projects will be created in the new version. No action is required on your part!

Migrating your single project

- Congratulations! You have decided to migrate your existing project... What next?



Step 1: If you are using the previous version, a banner will appear on your project's dashboard at the top of your dashboard asking if you would like to migrate.

Step 2: Once you are ready to migrate your project select the "Migrate Project" button here

Tip: Only 4 sections indicates you are using the older version. *Updated Navigator has 7 sections

50001 Ready U.S. DEPARTMENT OF ENERGY

Navigator

LANGUAGE English

Contact Subject Matter Experts

FAQs My Tasks My Navigator

CT Plant

Navigate Project: Project Dashboard Select a Section

Dashboard

Getting Started Status Report Manage Project Manage Team MARK

This project is currently using the older 50001:2011 guidance, click "Migrate Project" to review options to update project guidance. Migrate Project

OVERALL PROGRESS: 96% Completed

PLANNING 88% ENERGY REVIEW CONTINUAL IMPROVEMENT SYSTEM MANAGEMENT

Task Assignments

Planning Energy Review Continual Improvement System Management

+ Assign Section

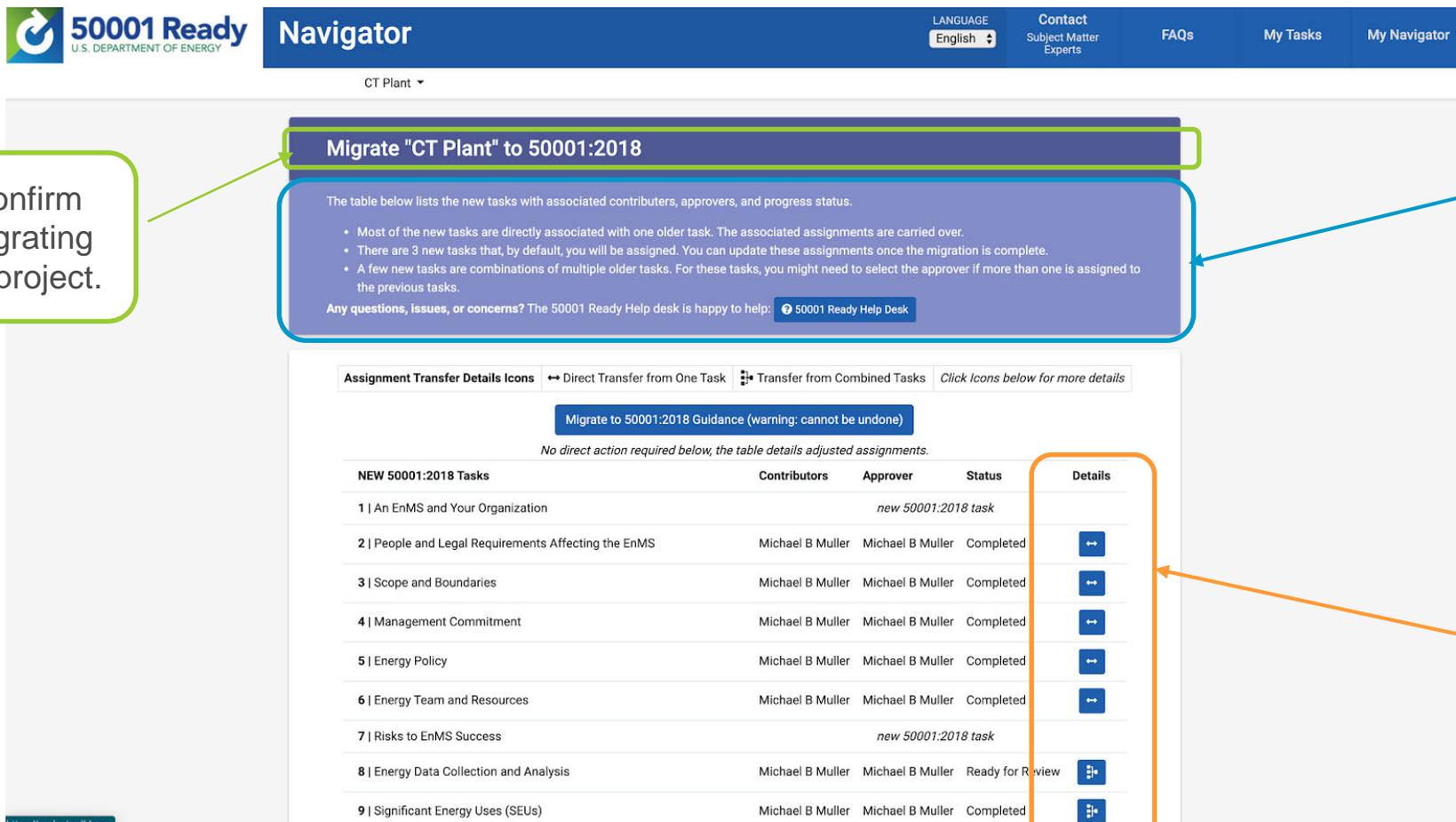
Planning

| Task | Assigned To | Approver | Status | Status Date |
|-------------------------|------------------|------------------|-----------|-------------|
| 1 Scope and Boundaries | Michael B Muller | Michael B Muller | Completed | 10/06/2017 |
| 2 Energy Policy | Michael B Muller | Michael B Muller | Completed | 10/06/2017 |
| 3 Management Commitment | Michael B Muller | Michael B Muller | Completed | 10/06/2017 |
| 4 Energy Team | Michael B Muller | Michael B Muller | Completed | 10/06/2017 |
| 5 Legal Requirements | Michael B Muller | Michael B Muller | Completed | 10/06/2017 |

Migrating your single project (cont.)

After selecting the “Migrate Project” button a new window opens up detailing out your task assignments and how transitioned tasks

Step 3: Confirm you are migrating the correct project.



The screenshot shows the 50001 Ready Navigator interface. At the top, there's a navigation bar with the 50001 Ready logo, a language dropdown set to English, and links for Contact, FAQs, My Tasks, and My Navigator. Below this, the page title is "Migrate 'CT Plant' to 50001:2018". A blue box highlights a text area containing instructions and a link to the 50001 Ready Help Desk. Below this is a table of "NEW 50001:2018 Tasks" with columns for Contributors, Approver, Status, and Details. A blue box highlights the "Details" column, which contains icons for each task row.

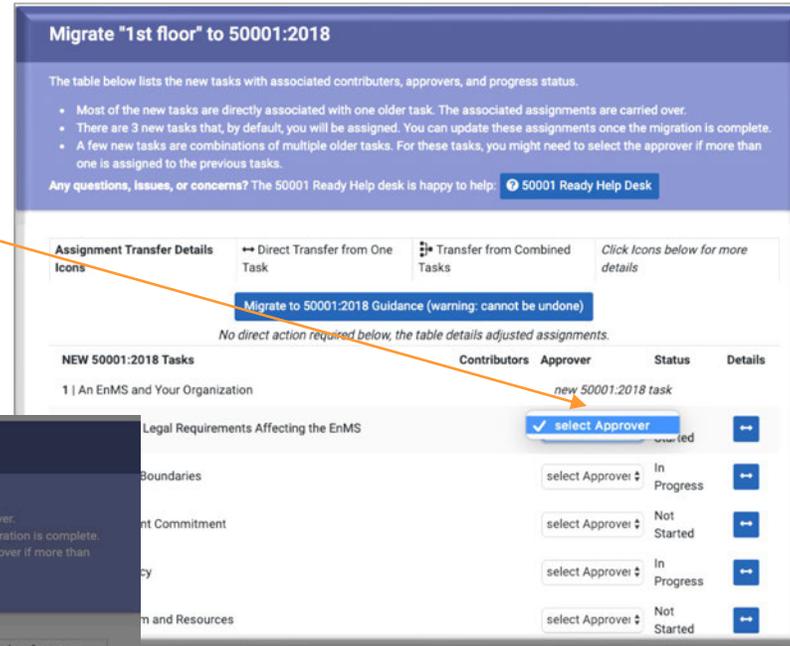
| NEW 50001:2018 Tasks | Contributors | Approver | Status | Details |
|--|------------------|------------------|---------------------|---------|
| 1 An EnMS and Your Organization | | | new 50001:2018 task | |
| 2 People and Legal Requirements Affecting the EnMS | Michael B Muller | Michael B Muller | Completed | ↔ |
| 3 Scope and Boundaries | Michael B Muller | Michael B Muller | Completed | ↔ |
| 4 Management Commitment | Michael B Muller | Michael B Muller | Completed | ↔ |
| 5 Energy Policy | Michael B Muller | Michael B Muller | Completed | ↔ |
| 6 Energy Team and Resources | Michael B Muller | Michael B Muller | Completed | ↔ |
| 7 Risks to EnMS Success | | | new 50001:2018 task | |
| 8 Energy Data Collection and Analysis | Michael B Muller | Michael B Muller | Ready for Review | ⚙ |
| 9 Significant Energy Uses (SEUs) | Michael B Muller | Michael B Muller | Completed | ⚙ |

Step 4: Confirm the assigned responsibilities of each transitioned task since the content has shifted.

Step 5 (optional): Selecting the **Details** button will highlight the primary responsibilities for each task.

Migrating your project (cont.)

Step 6: Select the migration details button to see what assignments may have changed and re-assign your task approvers appropriately.



Migrate "1st floor" to 50001:2018

The table below lists the new tasks with associated contributors, approvers, and progress status.

- Most of the new tasks are directly associated with one older task. The associated assignments are carried over.
- There are 3 new tasks that, by default, you will be assigned. You can update these assignments once the migration is complete.
- A few new tasks are combinations of multiple older tasks. For these tasks, you might need to select the approver if more than one is assigned to the previous tasks.

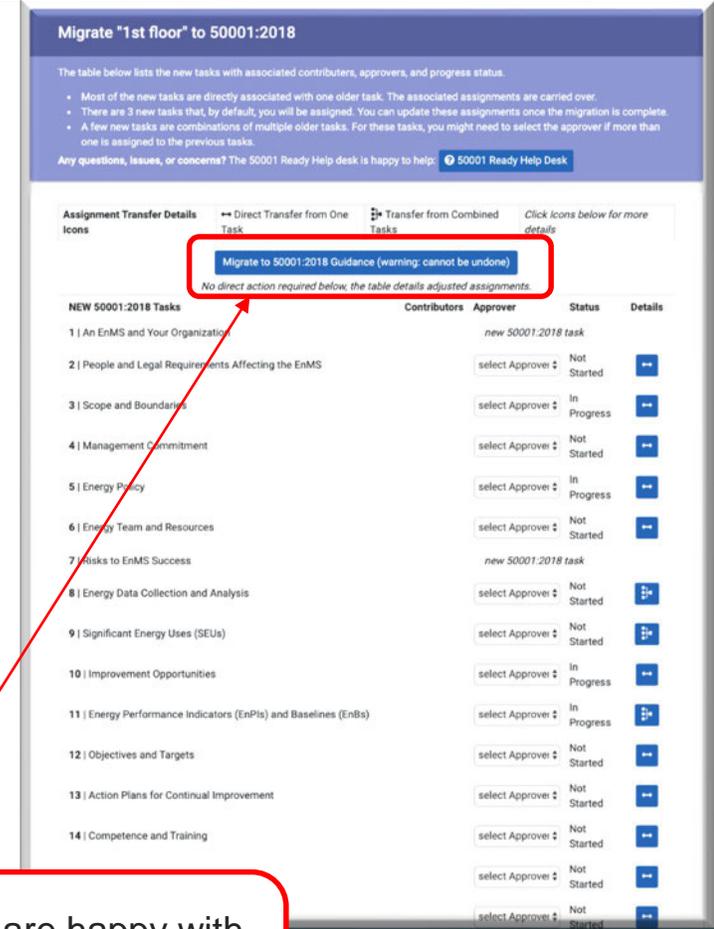
Any questions, issues, or concerns? The 50001 Ready Help desk is happy to help. [50001 Ready Help Desk](#)

Assignment Transfer Details Icons Direct Transfer from One Task Transfer from Combined Tasks Click Icons below for more details

Migrate to 50001:2018 Guidance (warning: cannot be undone)

No direct action required below, the table details adjusted assignments.

| NEW 50001:2018 Tasks | Contributors | Approver | Status | Details |
|---|--------------|----------|---------------------|-----------------|
| 1 An EnMS and Your Organization | | | new 50001:2018 task | select Approver |
| 2 People and Legal Requirements Affecting the EnMS | | | Not Started | select Approver |
| 3 Scope and Boundaries | | | In Progress | select Approver |
| 4 Management Commitment | | | Not Started | select Approver |
| 5 Energy Policy | | | In Progress | select Approver |
| 6 Energy Team and Resources | | | Not Started | select Approver |
| 7 Risks to EnMS Success | | | In Progress | select Approver |
| 8 Energy Data Collection and Analysis | | | Not Started | select Approver |
| 9 Significant Energy Uses (SEUs) | | | Not Started | select Approver |
| 10 Improvement Opportunities | | | In Progress | select Approver |
| 11 Energy Performance Indicators (EnPIs) and Baselines (EnBs) | | | In Progress | select Approver |
| 12 Objectives and Targets | | | Not Started | select Approver |
| 13 Action Plans for Continual Improvement | | | Not Started | select Approver |
| 14 Competence and Training | | | Not Started | select Approver |



Migrate "1st floor" to 50001:2018

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- There are 3 new tasks that, by default, you will be assigned. You can update these assignments once the migration is complete.
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Assignment Transfer Details Icons Direct Transfer from One Task Transfer from Combined Tasks Click Icons below for more details

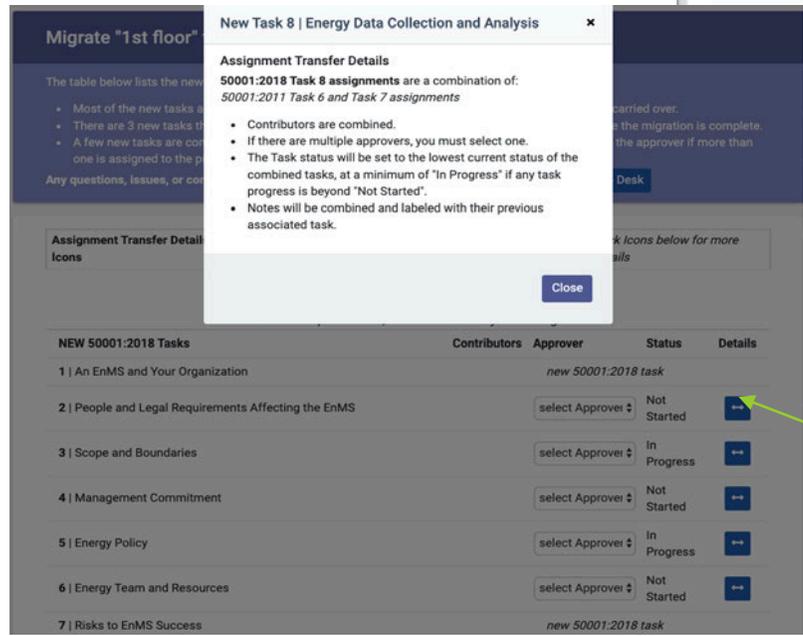
Migrate to 50001:2018 Guidance (warning: cannot be undone)

No direct action required below, the table details adjusted assignments.

| NEW 50001:2018 Tasks | Contributors | Approver | Status | Details |
|---|--------------|----------|---------------------|-----------------|
| 1 An EnMS and Your Organization | | | new 50001:2018 task | select Approver |
| 2 People and Legal Requirements Affecting the EnMS | | | Not Started | select Approver |
| 3 Scope and Boundaries | | | In Progress | select Approver |
| 4 Management Commitment | | | Not Started | select Approver |
| 5 Energy Policy | | | In Progress | select Approver |
| 6 Energy Team and Resources | | | Not Started | select Approver |
| 7 Risks to EnMS Success | | | new 50001:2018 task | select Approver |
| 8 Energy Data Collection and Analysis | | | Not Started | select Approver |
| 9 Significant Energy Uses (SEUs) | | | Not Started | select Approver |
| 10 Improvement Opportunities | | | In Progress | select Approver |
| 11 Energy Performance Indicators (EnPIs) and Baselines (EnBs) | | | In Progress | select Approver |
| 12 Objectives and Targets | | | Not Started | select Approver |
| 13 Action Plans for Continual Improvement | | | Not Started | select Approver |
| 14 Competence and Training | | | Not Started | select Approver |

Step 7 (optional): Select these boxes to open up pop-up details.

Step 8: Once you are happy with the assignments, the final step is to "Confirm the Migration."



Migrate "1st floor"

The table below lists the new tasks with associated contributors, approvers, and progress status.

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Assignment Transfer Details Icons

NEW 50001:2018 Task 8 assignments are a combination of: 50001:2011 Task 6 and Task 7 assignments

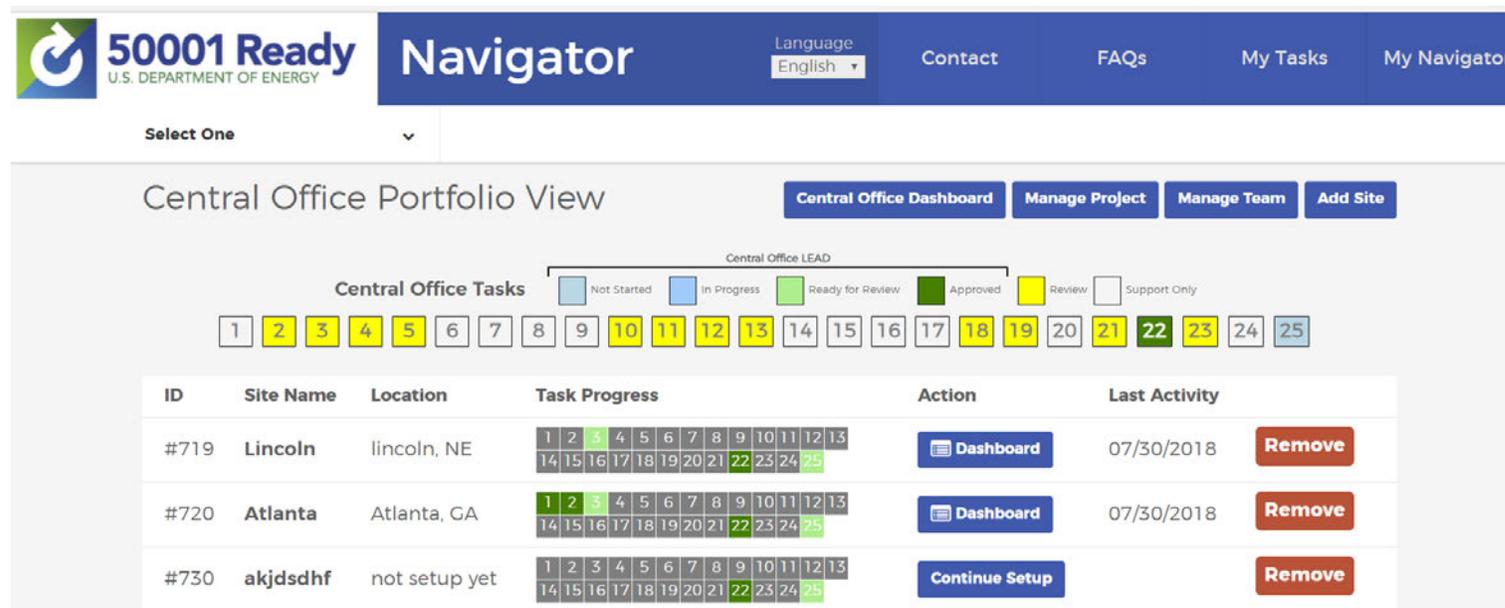
- Contributors are combined.
- If there are multiple approvers, you must select one.
- The Task status will be set to the lowest current status of the combined tasks, at a minimum of "In Progress" if any task progress is beyond "Not Started".
- Notes will be combined and labeled with their previous associated task.

Close

| NEW 50001:2018 Tasks | Contributors | Approver | Status | Details |
|--|--------------|----------|---------------------|-----------------|
| 1 An EnMS and Your Organization | | | new 50001:2018 task | select Approver |
| 2 People and Legal Requirements Affecting the EnMS | | | Not Started | select Approver |
| 3 Scope and Boundaries | | | In Progress | select Approver |
| 4 Management Commitment | | | Not Started | select Approver |
| 5 Energy Policy | | | In Progress | select Approver |
| 6 Energy Team and Resources | | | Not Started | select Approver |
| 7 Risks to EnMS Success | | | new 50001:2018 task | select Approver |

Resource Review: Navigator Multisite

- ✓ Reduce time & cost of implementing *50001 Ready* across multiple facilities
- ✓ Enter and manage multiple sites in one portal
- ✓ Allows for ‘central office’ review, communications or completion of tasks
- ✓ Usable by agencies, sites, utilities, ESCOs etc.



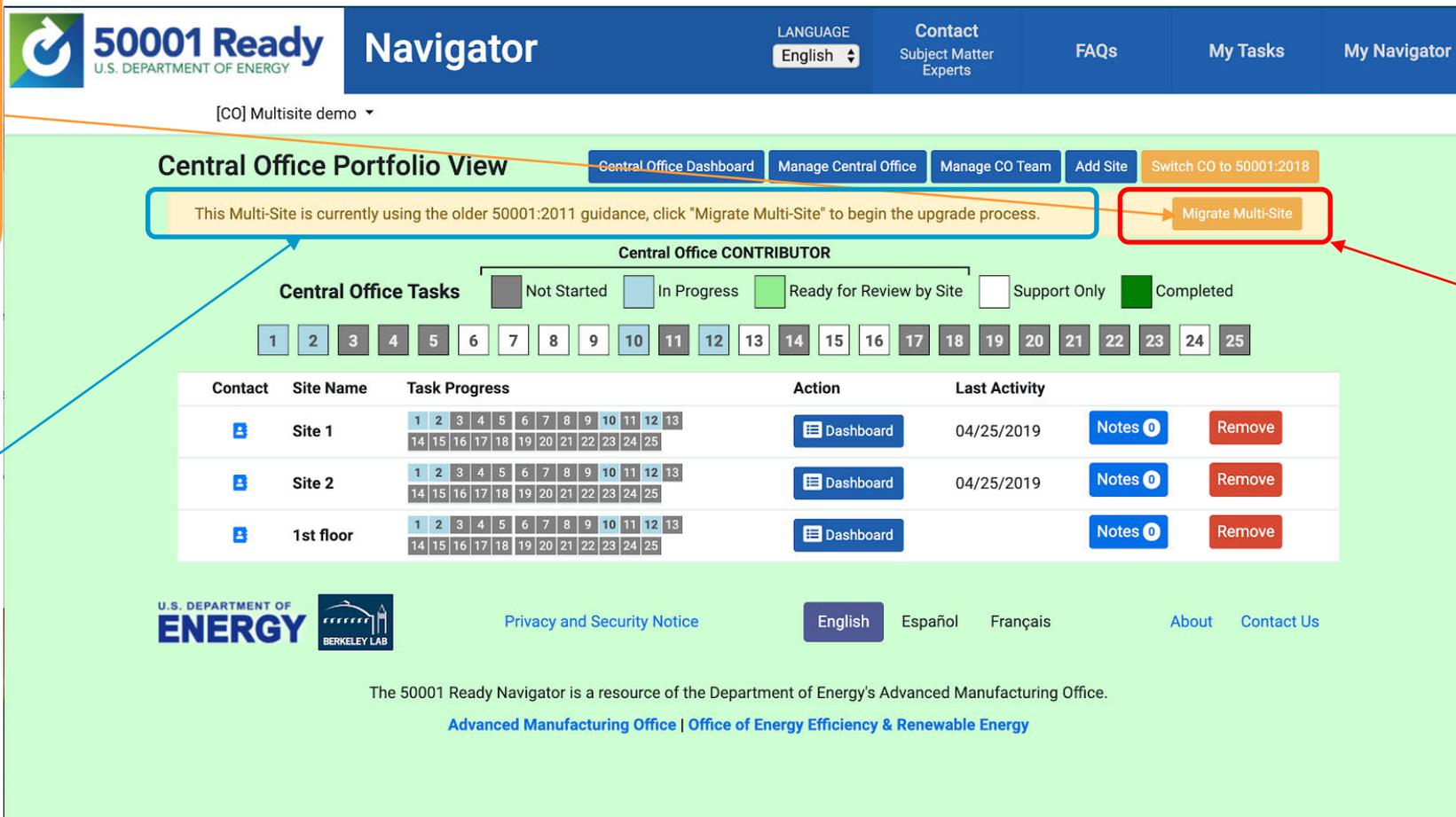
The screenshot shows the '50001 Ready Navigator' interface. At the top, there is a navigation bar with the logo, '50001 Ready U.S. DEPARTMENT OF ENERGY', and the title 'Navigator'. A language dropdown is set to 'English'. Navigation links include 'Contact', 'FAQs', 'My Tasks', and 'My Navigator'. Below the navigation bar, there is a 'Select One' dropdown menu. The main content area is titled 'Central Office Portfolio View' and includes buttons for 'Central Office Dashboard', 'Manage Project', 'Manage Team', and 'Add Site'. A 'Central Office LEAD' section contains a 'Central Office Tasks' legend with color-coded boxes for 'Not Started' (light blue), 'In Progress' (medium blue), 'Ready for Review' (light green), 'Approved' (dark green), 'Review' (yellow), and 'Support Only' (white). Below the legend is a row of 25 numbered task boxes, with boxes 1-5 highlighted in yellow and 21-25 in light green. The main table displays three sites:

| ID | Site Name | Location | Task Progress | Action | Last Activity | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|-----------|---------------|---|--------|---------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|--------------------------------|-----------------------------------|
| #719 | Lincoln | lincoln, NE | <table border="1"><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td></tr><tr><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td></td></tr></table> | 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 | | Dashboard | 07/30/2018 Remove |
| 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 | | | | | | | | | | | | | | | | | | | | |
| #720 | Atlanta | Atlanta, GA | <table border="1"><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td></tr><tr><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td></td></tr></table> | 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 | | Dashboard | 07/30/2018 Remove |
| 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 | | | | | | | | | | | | | | | | | | | | |
| #730 | akjdsdhf | not setup yet | <table border="1"><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td></tr><tr><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td></td></tr></table> | 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 | | Continue Setup | Remove |
| 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 | | | | | | | | | | | | | | | | | | | | |

Migrating your Multi-Site project

Multi-sites can only be updated by the multi-site administrator – Not on an individual project basis.

Note the banner stating the multi-site is currently using the older 50001:2011 guidance here.



50001 Ready
U.S. DEPARTMENT OF ENERGY

Navigator

LANGUAGE English

Contact Subject Matter Experts

FAQs

My Tasks

My Navigator

[CO] Multisite demo

Central Office Portfolio View

Central Office Dashboard Manage Central Office Manage CO Team Add Site Switch CO to 50001:2018

This Multi-Site is currently using the older 50001:2011 guidance, click "Migrate Multi-Site" to begin the upgrade process.

Migrate Multi-Site

Central Office CONTRIBUTOR

Central Office Tasks

Not Started In Progress Ready for Review by Site Support Only Completed

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

| Contact | Site Name | Task Progress | Action | Last Activity |
|---------|-----------|--|-----------|----------------|
| + | Site 1 | 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 | Dashboard | 04/25/2019 |
| + | Site 2 | 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 | Dashboard | 04/25/2019 |
| + | 1st floor | 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 | Dashboard | Notes 0 Remove |

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Privacy and Security Notice

English Español Français

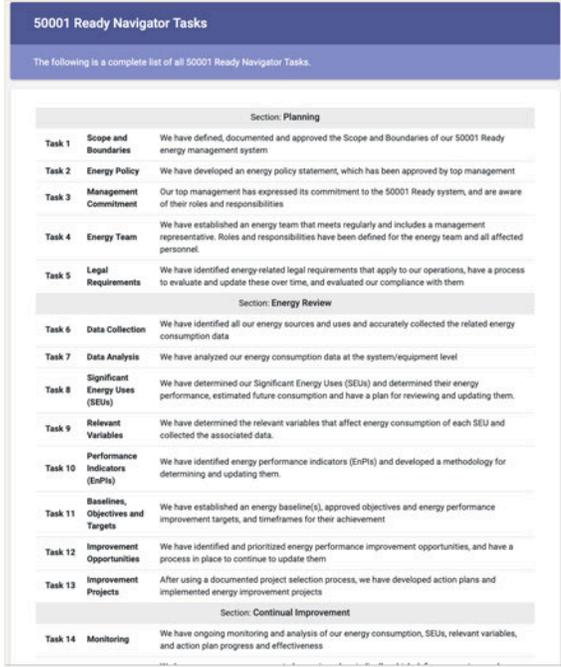
About Contact Us

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

Once a project is ready to migrate, just select the "Migrate Multi-Site" button to initiate the request. 50001 Ready Help Desk staff will work with you from there.

Navigator Transition Resources

- ✓ [ISO 50001:2011 to 2018 Transition Guide](#) Created by the DOE, LBNL, and the US TAG to navigate this revision including:
 - ✓ Section by section comparison of changes
 - ✓ Explanation of High Level Structure (HLS) as found in other popular ISO standards (14001 / 90001)
- ✓ ISO 50001:2018 standard is available through the [Georgia Institute of Technology](#)
- ✓ [ISO 50001:2018 Update](#): Online training on changes in ISO 50001:2018.
- ✓ [Key changes in 2018 version](#): Free recorded webinar that highlights key changes in ISO 50001.

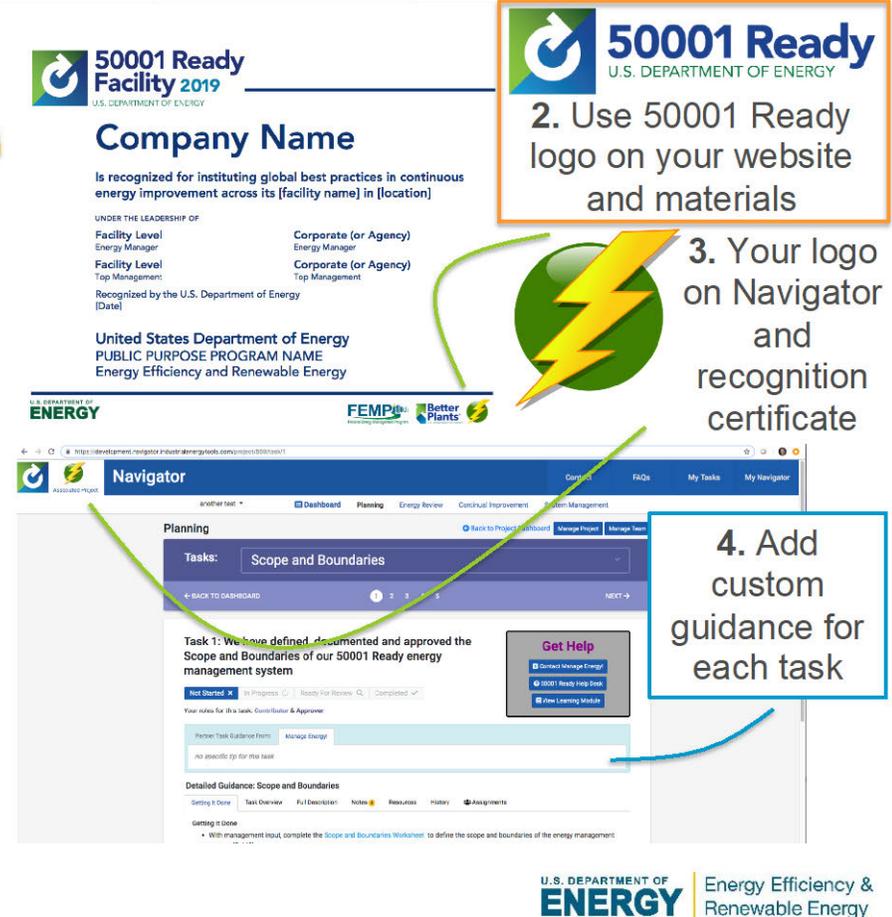
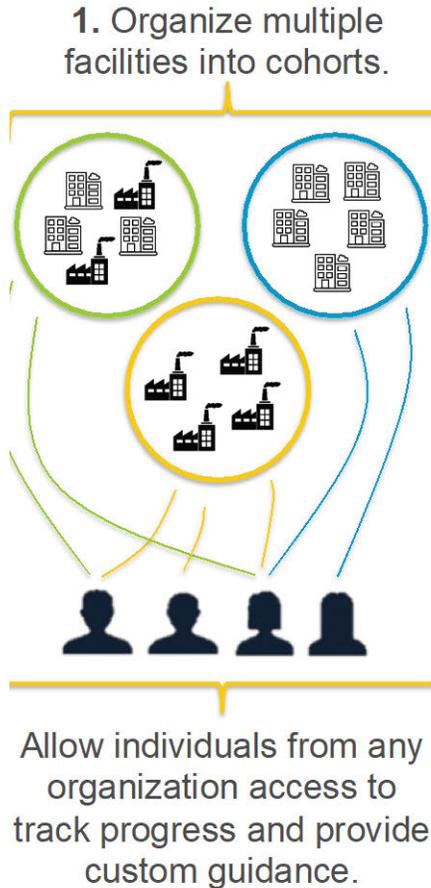


| 50001 Ready Navigator Tasks | | |
|--|-----------------------------------|--|
| The following is a complete list of all 50001 Ready Navigator Tasks. | | |
| Section: Planning | | |
| Task 1 | Scope and Boundaries | We have defined, documented and approved the Scope and Boundaries of our 50001 Ready energy management system. |
| Task 2 | Energy Policy | We have developed an energy policy statement, which has been approved by top management. |
| Task 3 | Management Commitment | Our top management has expressed its commitment to the 50001 Ready system, and are aware of their roles and responsibilities. |
| Task 4 | Energy Team | We have established an energy team that meets regularly and includes a management representative. Roles and responsibilities have been defined for the energy team and all affected personnel. |
| Task 5 | Legal Requirements | We have identified energy-related legal requirements that apply to our operations, have a process to evaluate and update these over time, and evaluated our compliance with them. |
| Section: Energy Review | | |
| Task 6 | Data Collection | We have identified all our energy sources and uses and accurately collected the related energy consumption data. |
| Task 7 | Data Analysis | We have analyzed our energy consumption data at the system/equipment level. |
| Task 8 | Significant Energy Uses (SEUs) | We have determined our Significant Energy Uses (SEUs) and determined their energy performance, estimated future consumption and have a plan for reviewing and updating them. |
| Task 9 | Relevant Variables | We have determined the relevant variables that affect energy consumption of each SEU and collected the associated data. |
| Task 10 | Performance Indicators (EnPIs) | We have identified energy performance indicators (EnPIs) and developed a methodology for determining and updating them. |
| Task 11 | Baselines, Objectives and Targets | We have established an energy baseline(s), approved objectives and energy performance improvement targets, and timeframes for their achievement. |
| Task 12 | Improvement Opportunities | We have identified and prioritized energy performance improvement opportunities, and have a process in place to continue to update them. |
| Task 13 | Improvement Projects | After using a documented project selection process, we have developed action plans and implemented energy improvement projects. |
| Section: Continual Improvement | | |
| Task 14 | Monitoring | We have ongoing monitoring and analysis of our energy consumption, SEUs, relevant variables, and action plan progress and effectiveness. |

Learn more at: energy.gov/50001ready

What can you do with the partner platform?

- ✓ Support, observe, and report on multiple projects
- ✓ No direct controls over projects
- ✓ Legal use of DOE 50001 Ready logos and Co-branded Navigator & recognition
- ✓ Usable by agencies, sites, utilities, ESCOs etc.
- ✓ Partner platform supports individual projects in both the 2011 and 2018 version of the Navigator.



2. Use 50001 Ready logo on your website and materials

3. Your logo on Navigator and recognition certificate

4. Add custom guidance for each task

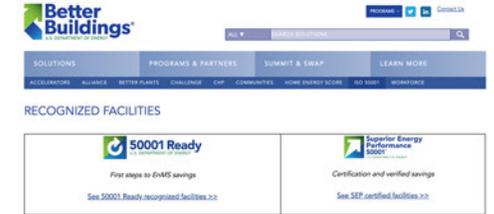
U.S. DEPARTMENT OF ENERGY | Energy Efficiency & Renewable Energy

Project Showcases and Case Studies

DOE will help you promote your 50001 Ready success!

50001 Ready Partners and Facilities receive:

- ✓ DOE facility certificates of recognition
- ✓ Promotional package tailored to your needs:
 - ✓ Your company logo featured on DOE 50001 Ready sites
 - ✓ Project showcase to highlight your achievements
 - ✓ Access to customizable press material and resources



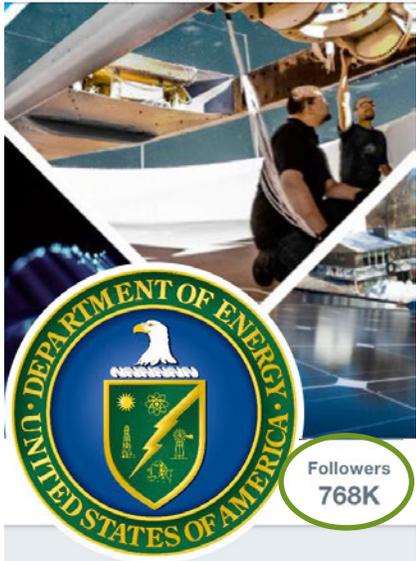
SEP CERTIFIED FACILITIES
The companies listed below have earned Superior Energy Performance (SEP) and ISO 50001 certification. Find out how to qualify for the forthcoming SEP 50001.0010 or view the website for the current SEP average annual achievement based on the latest achievement from largest to smallest as applicable.

View by level of achievement: Platinum | Gold



Your logo here!

- Through 50001 Recognition, increase attention, reach, and recognition for participating utilities and implementer programs
- When facilities self attest to the completion of 50001 Ready, DOE helps to promote the success of the facility, implementer, and utility through project showcases and implementer case studies.

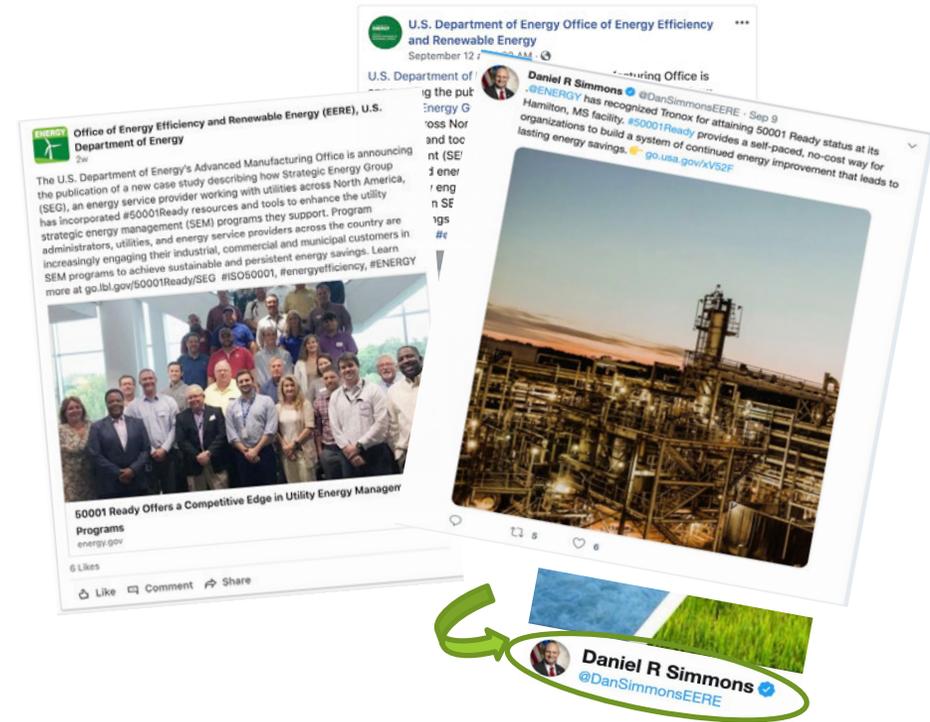


Followers
768K



Links to latest Project Showcases and Case Studies

- go.lbl.gov/50001Ready/SEG
- go.lbl.gov/50001Ready/Tronox
- go.lbl.gov/50001Ready/ArcelorMittal



How do energy efficiency program administrators use 50001 Ready?

- ✓ Private and public organizations are incorporating the continual improvement practices from the 50001 Ready Navigator into their business-to-business and utility program offerings.
- ✓ DOE is seeking to partner with U.S.-based organizations to expand the use and increase end-user benefits of 50001 Ready assets.

Utilities and Partners already engaged with 50001 Ready:



Interested in making global impact to the further advancement of energy management?

The **US Technical Advisory Group (TAG) to ISO Technical Committee (TC) 301** is the official ANSI TAG responsible for representing US positions on energy management, efficiency, and savings standards being developed internationally.

Why Join the US TAG to ISO TC 301?

Gain a better understanding of, and influence over, new and upcoming energy-related standards:

- ✓ **Technical Influence** - Represent the US position in working groups developing ISO standards in TC 301
- ✓ **Early Access** – Provide input to evolving standards
- ✓ **Professional Development** - Interact and learn from other technical experts, create a personal network, and hear global perspectives on important issues.
- ✓ **Leadership** - Develop experience in teamwork and in the art of consensus building.

To learn more contact Deann Desai, TAG Administrator, at deann.desai@innovate.gatech.edu



ISO Technical Committee 301, 2019 Plenary Meeting, Vienna, Austria

**US TAG to ISO TC 301 is not a DOE program, but a professional membership offered on a fee-based structure with multiple levels of entry options available.*



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

- Download sample utility partner profiles and program implementation guides
 - Find links to the Navigator and EnPI Lite
-

Stay informed

- CONTACT [ethan.rogers @ee.doe.gov](mailto:ethan.rogers@ee.doe.gov) to add others to this utility network distribution list



- Sign up at energy.gov/50001Ready for email updates about ISO 50001 and related DOE programs

Questions?