



50001 Ready *Southeast*

Energy Management Systems: A Strategic Advantage

Access to robust energy management capabilities provides both the knowledge and tools needed to make smart decisions about energy use. By implementing a proven energy management system and standards, it is possible to gain insights to most effectively and economically manage your facility's energy consumption.

*Energy management systems like **50001 Ready** are key to understanding energy consumption and usage trends for industrial, commercial and institutional users.*

Introducing ISO 50001 and 50001 Ready

ISO 50001 is a voluntary, global standard for energy management that helps industrial, commercial and institutional facilities to better oversee their use of energy sources and energy-related assets, making it possible to reduce both cost and consumption. To implement ISO 50001, which is a continuous improvement process and certification protocol, a participating facility must develop and implement its own specific energy policies, set achievable targets for energy use, and design a plan of action to measure progress toward achieving those targets.

Recognizing the value of establishing an energy management system (EnMS) in accordance with the ISO 50001 standard, while also understanding the challenges and costs associated with certification, in 2017 the U.S. Department of Energy (DOE) created **50001 Ready**. The 50001 Ready program is a no-cost approach to guide industrial, commercial, and institutional energy users through the process of establishing an energy management system and gaining recognition as "50001 Ready." Based on the ISO 50001 standard, 50001 Ready is designed to ensure continuous improvement in the efficient use of energy in a facility and can also prepare a facility for achieving **ISO 50001 Certification**, if it wishes.

Join a Southeast Cohort To Receive Free *50001 Ready* Training and Customized Technical Assistance

Through support provided by DOE's Advanced Manufacturing Office, the Southeast Energy Efficiency Alliance (SEEA) is able to provide training and technical assistance to a select group of facilities interested in achieving "50001 Ready" status and recognition. Through its partnership with Advanced Energy, SEEA will provide up to seven facilities with:

- An overview of 50001 Ready and a technical assistance package;
- An invitation to a two-day, in-person "In-Plant" training that enables participants to get hands-on experience with the 50001 Ready process, and the tools needed to successfully complete the program;
- Ongoing cohort technical assistance calls;
- One-on-one technical assistance.

Neither ISO 50001 or 50001 Ready, which are both process-oriented, requires specific energy reductions.

The Benefits of 50001 Ready Recognition

The 50001 Ready program offers several valuable benefits for medium and large energy users:

- Provides the impetus to develop a policy for more efficient use of energy,
- Ensures there are targets and objectives to meet that policy for a given facility,
- Provides usage data to facilitate understanding and decision-making around a facility's energy use,
- Offers a clear path to measure results and review the effectiveness of a facility's energy policy,
- Provides a basis for continuously improving energy management and use.



Commercial, industrial and institutional energy use account for more than 60 percent of the nation's total electricity consumption. Energy management systems are the key to understanding patterns and opportunities within that consumption. (source EIA)

50001 Ready is Flexible and Affordable

50001 Ready allows users to pursue an energy management path at its own pace, one that most closely aligns with its needs and opportunities, without the additional costs of certification. This can include the implementation of new energy-efficient technologies, the reduction of energy waste, or the implementation of energy-reducing upgrades to current processes. Neither ISO 50001 or 50001 Ready, which are both process-oriented, requires any absolute energy reductions, but evidence indicates that facilities that complete 50001 Ready save more energy than those that do not.

Three Steps to 50001 Ready Recognition

The 50001 Ready program is intentionally straightforward in its design, offering a low-barrier, no-cost approach to effective but structured energy management best practices. To receive recognition for implementing 50001 Ready, three steps are required of facility:

- 1) Complete the 25 tasks laid out in the "50001 Ready Navigator" including getting executive-level support;
- 2) Self-attest to the completion of these 25 tasks by having a senior management representative sign off on a self-attestation form;
- 3) Measure and report the facility's energy performance over time. This can be done with DOE's *Energy Performance Indicator Tool Lite* (EnPI Lite), EPA's *Portfolio Manager*, or with other utility program energy performance calculators.

Is 50001 Ready the Best Energy Management System for Me?

Determining the best energy management system for any given facility requires comparing costs, benefits, and the potential value added. While this analysis is always recommended, the specific advantages of the 50001 Ready program include its affordability: it is offered at no cost to program participants; its benefit profile, which adheres to the global ISO 50001 best practice standard; and the availability of extensive DOE support resources for participants.

Next Steps for Evaluating 50001 Ready

For an industrial, commercial or institutional facility interested in implementing the 50001 Ready program, these are the next steps:

- 1) Review the task descriptions listed in the 50001 Ready [Navigator](#), an online tool, to determine your level of readiness to proceed;
- 2) Download the 50001 Ready [Getting Started Guide](#);
- 3) Review the 50001 Ready [Frequently Asked Questions](#);
- 4) Contact [Cyrus Bhedwar](#) at SEEA to get answers to your questions and sign up for the cohort.



For More Information:

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