

INDUSTRIAL RATEPAYER-FUNDED SEP TOOLKIT

The Industrial Superior Energy Performance® (SEP™) Accelerator is designed to demonstrate the cost savings by implementing SEP enterprise-wide, as well as to demonstrate strategic energy management through SEP as an effective ratepayer-funded energy efficiency program offering for industrial facilities. SEP certifies industrial facilities that achieve improved energy performance and implement an energy management system that meets the ISO 50001 global energy management system standard. Facilities certified to SEP will become leaders in energy management and productivity improvement. The facilities in SEP have met the ISO 50001 standard and have improved their energy performance up to 25% over three years or up to 40% over 10 years.

SEP provides guidance, tools, and protocols to drive deeper, more sustained savings from ISO 50001. An independent third party audits each facility to verify its achievements and qualify it at the Silver, Gold, or Platinum level based on energy performance improvement. This certification emphasizes measureable savings through a transparent process. SEP-certified facilities will note that investing the extra effort in SEP—beyond ISO 50001—provides a healthy return on investment. Cost-benefit assessments find that SEP helps a wide range of facilities and large energy users.

Given the significant energy reduction potential that energy management systems such as SEP can generate, successful implementation is in the interest of utilities and program administrators (PAs). The U.S. Department of Energy (DOE) has developed the following guides and tools to support utilities and PAs in deploying SEP through energy efficiency program initiatives. Online, utility-specific information on SEP is available at <http://energy.gov/eere/amo/utilities>.

Industrial SEP Ratepayer-funded Toolkit Elements

Program Planning Guide

The SEP Guide for the Development of Energy Efficiency Program Plans ("Program Planning Guide") provides utilities and PAs with a step-by-step method to implement effective program plans and reports

for their SEP offerings. The Program Planning Guide also describes the input fields in the SEP Program Planning Template. The Program Planning Guide is a comprehensive resource that covers the wide range of efficiency plan requirements throughout the country. Content includes:

- ▶ Program description and objectives
- ▶ Target market identification and marketing strategy
- ▶ Incentive strategy and delivery mechanism
- ▶ Energy saving goals and associated budgets
- ▶ Employee and management training
- ▶ Evaluation, Measurement & Verification (EM&V) of the implemented program
- ▶ Other resources for utilities and PAs.

Program Planning Template

The SEP Program Planning Template ("Program Planning Template") is a Microsoft Excel-based form designed to facilitate utilities' and PAs' development of SEP offerings and to provide them with a means of communicating with DOE about their SEP programs. Together with the SEP Guide for the Development of Energy Efficiency Program Plans, the Program Planning Template workbook provides guidance regarding what information to include in program plans and reports.

The Program Planning Template, used in conjunction with the Cost Effectiveness Screening Tool ("Screening Tool"), allows utilities and PAs to combine unique facilities into groups and annual cohorts.

SEP Presentations

SEP presentation materials include three introduction slide decks providing an overview of ISO 50001 and SEP. The slide decks are tailored to unique audiences including customers, participants, utilities and PAs.

Utilities and PAs can modify these presentations to address the unique characteristics of their audiences and can present them at conferences, meetings or training workshops. The presentations are suitable for outreach activities and will increase awareness of energy management.

Cost Effectiveness Screening Tool

The SEP Cost Effectiveness Screening Tool (“Screening Tool”) allows interested utilities and PAs to estimate the expected benefits and costs of SEP projects for their own jurisdiction based on data obtained from DOE’s SEP program experience and other sources. User inputs include energy consumption of the target utilities, incentives, and avoided costs. Outputs are presented in a way that is useful for a state regulatory filing for a new energy efficiency program pursuing SEP projects.

Program Transition Tables

The Program Transition Tables provide information concerning the level of effort required to move from a traditional, industrial incentive program to Strategic Energy Management, ISO 50001, or SEP. Both the customers’

and utility program administrators’ perspectives are considered. Utilities and PAs can use these detailed tables to understand and develop estimates of scope, resources, and realistic implementation timelines.

EM&V Resources

SEP EM&V resources include a standardized approach for maintaining records of energy saving actions to assist utilities with documentation of the SEP EM&V.

Participants, utilities, and PAs will have access to a register completed by participants of implemented energy management actions who used the DOE eGuide Action Plans as a resource for creating a record for the participant’s SEP certification audit.