

Energy and Environmental Management

Environmental Services

Compliance Management

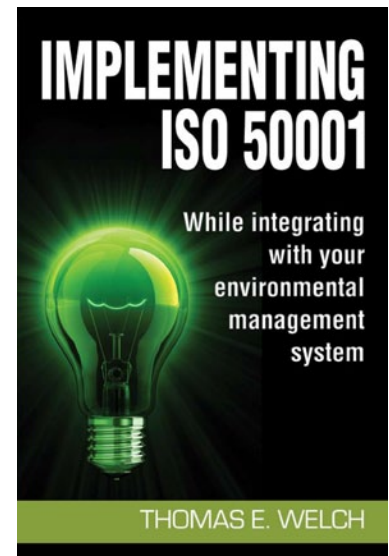
Energy and Environmental Management

EM-Assist's Certified Energy Managers (CEMs) and certified Leadership in Energy and Environmental Design (LEED) engineers will work with your organization to develop plans, policies, and standard operating procedures that can lead to ISO 50001 Energy Management Systems Standard (EnMS) certification, as well as reduce your energy usage, costs, and environmental emissions. In addition to the incentives of reducing operating expenses and improving your public image, energy management will assist your organization in complying with policy requirements that include:

- › Executive Orders (EOs) 13514 and 13423
- › Independence and Security Act of 2007
- › Energy Policy Acts of 1992 and 2005

Our typical service includes all, or a subset, of the following:

- › Benchmarking Energy Usage
- › Inventorying Greenhouse Gas Emissions
- › Setting up Electronic Performance Metering and Tracking
- › Integrating Data Management Systems
- › Establishing Goals and Objectives
- › Instituting Accountability
- › Assessing Energy Reduction Opportunities
- › Evaluating Renewable Energy
- › Analyzing Life-Cycle Cost and Return-on-Investment
- › Certifying ENERGY STAR, LEED-EB, and EnMS Conformance
- › Performing Confirmation Audits



This new book on implementing the ISO 50001 EnMS Standard, by EM-Assist's Tom Welch, further demonstrates our command of the subject matter and ability to bring this to our clients.

EM-Assist Case Study

EM-Assist developed an Environmental Management Plan (EMP) for Energy Consumption for a large U.S. Air Force facility. The facility is subject to the requirements under EOs 13514 and 13423 to reduce energy intensity by 3% annually and ensure that at least half of the fuel used comes from renewable sources. To facilitate this, the EMP includes goals, targets, and tasks. The client had already replaced most of the base's inefficient lighting. Therefore, the EMP includes other cost-saving measures such as installing automated monitoring devices, reducing heat losses from their centralized steam plant by using more localized heat sources, and implementing EM-Assist's Environmental Data Integration System (EDIS) software that will integrate all the relevant data. Integrating the data for analysis will help the base identify energy inefficiencies that can be targeted for future corrective action.

EM-Assist also developed the air quality permits for this client's landfill gas-to-energy facility and managed a feasibility study of small-scale nuclear power generation. We are also developing strategies to reduce transportation fuel consumption by 2% annually and increase the quantity of alternative fuels being used by 10% annually (as per EO 13423); this requires working with various stakeholders on the facility and with the local transit authority to provide expanded mass transit opportunities, as well as researching the feasibility of incorporating alternative transportation fuels into the client's fleet.