As part of the methodology development process for the 2024 CSA, we kindly invite you to review a draft proposal for new and updated questions impacting your industry.

Please review this document and provide your feedback by completing the online survey.

The question texts and methodology presented may be subject to change at any time before the end of March 2024. In addition, questions may look different in the Online Assessment Tool in terms of question structure and layout.
Introduction

Criterion Rationale

In the last century there has been an unprecedented increase in the use of natural resources and materials. Producing more with less material and energy is essential for many industries affected by the increasing scarcity of natural resources. Resource efficiency and circularity can enhance companies’ competitiveness through reduced costs and environmental liabilities. It can also mean companies are better prepared for future environmental regulations. The key focus of this criterion is to identify trends across the company’s energy consumption, efficiency, and circularity across business operations.

Reason for update and summary of changes

This document contains the proposed changes to the newly introduced Energy Management Systems question under the Resource Efficiency and Circularity criterion. The need for this question comes from the fact that currently the CSA does not contain specific program questions for certain topics related to operational eco-efficiency issues. The CSA already distinguishes the leading companies engaged in environmental management with the Environmental Policy & Management Systems question, but this question, alongside with the newly introduced Water and Waste program questions, will provide a clearer picture of how companies taking their first steps perform.

Reducing environmental impacts and improving energy efficiency is important for companies of all sizes as it can enhance companies’ competitiveness through reduced costs and environmental liabilities. Companies that have adopted corporate environmental guidelines and standards as a management tool are more likely to improve their environmental performance. Moreover, public information about how programs are implemented helps to improve performance and becomes a strong tool for creating accountability.

The rationale for adding this question to the CSA is that all types of companies in relevant industries, whether listed or non-listed and larger or smaller can be expected to provide some information regarding their energy management system. It is common for even smaller companies to have an environmental management policy and commit to improving performance even if they couldn’t yet monitor and report other disclosures such as quantitative emission data.
New question

Question: Energy Management Programs

INDUSTRIES IMPACTED:
AIR Airlines
ALU Aluminum
ARO Aerospace & Defense
ATX Auto Components
AUT Automobiles
BLD Building Products
BTC Biotechnology
BVG Beverages
CHM Chemicals
CMT Communications Equipment
CNO Casinos & Gaming
COL Coal & Consumable Fuels
COM Construction Materials
CON Construction & Engineering
COS Personal Products
CSV Diversified Consumer Services
CTR Containers & Packaging
DHP Household Durables
DRG Pharmaceuticals
ELC Electric Utilities
ELQ Electrical Components & Equipment
FDR Food & Staples Retailing
FOA Food Products
FRP Paper & Forest Products
GAS Gas Utilities
HEA Health Care Providers & Services
HOM Homebuilding
HOU Household Products
ICS Commercial Services & Supplies
IDD Industrial Conglomerates
IEQ Machinery and Electrical Equipment
IMS Interactive Media, Services & Home Entertainment
ITC Electronic Equipment, Instruments & Components
LEG Leisure Equipment & Products and Consumer Electronics
LIF Life Sciences Tools & Services
MXN Metals & Mining
MTC Health Care Equipment & Supplies
MUW Multi and Water Utilities
OGR Oil & Gas Refining & Marketing
OGX Oil & Gas Upstream & Integrated
OIE Energy Equipment & Services
PIP Oil & Gas Storage & Transportation
PUB Media, Movies & Entertainment
REI Equity Real Estate Investment Trusts (REITs)
REM Real Estate Management & Development
REX Restaurants & Leisure Facilities
RTS Retailing
SEM Semiconductors & Semiconductor Equipment
SOF Software
STL Steel
TCD Trading Companies & Distributors
TEX Textiles, Apparel & Luxury Goods
THQ Computers & Peripherals and Office Electronics
TLS Telecommunication Services
TOB Tobacco
TRA Transportation and Transportation Infrastructure
TRT Hotels, Resorts & Cruise Lines
TSV IT services

QUESTION RATIONALE

By integrating energy management systems into business practice, companies can establish a robust process to continuous improvement of energy performance. Energy performance is a concept which is related to energy efficiency, energy use and energy consumption. By improving energy performance and associated energy costs, companies can improve their competitiveness. In addition, improving energy performance leads to meet climate change mitigation goals by reducing their greenhouse gas emissions.

Successful implementation of an Energy Management System supports a culture of energy performance improvement that require a commitment from all levels of the organization, especially top management. This involves cultural changes within all the organization.

This question identifies the set of actions that ensure a robust, credible, and reliable energy management system. It aims at providing systematic, data-driven, and facts-based process, focused on continually improving energy performance that can transform the way companies manage energy use and energy consumption.

KEY DEFINITIONS

- **Energy audits**: The process of identification of energy types and evaluation of energy use and energy consumption that allow the company to determine areas of significant energy use and identify opportunities for improving energy performance.
- **Quantified targets**: Objectives with specific, measurable, and quantifiable energy performance improvement targets for energy performance improvement (e.g., reduce electricity consumption by 3 % by the end of the year, 2 % plant efficiency improvement by fourth quarter).
- **Integration of actions to reduce the amount of energy used**: Actions with qualitative objectives related to energy behavior or cultural change.
• **Evaluation of progress in reducing energy consumptions:** Process to compare energy performance before and after the implementation of action plans and other actions.

• **Use of clean or green energy:** Green energy is a resource which comes from natural sources, such as the sun. Clean energies are those types which do not release pollutants into the air. Renewable energies are both clean and green energy since they come from sources that are constantly being replenished, such as hydropower, wind power or solar energy.

• **Investments in innovation or R&D to decrease energy consumption:** Procedures to consider improvement opportunities and operational control in the design of new, modified and renovated facilities, equipment, systems and energy-using processes: considering energy performance in the design of facilities, equipment, systems or energy using processes within the scope and boundaries of the company and considering alternative energy such as renewables or less polluting types of energy options for new facilities, improved technologies and techniques,

• **Energy efficiency training:** provided to employees and/or other relevant parties to raise awareness and reduce energy consumptions.

**DATA REQUIREMENTS**

This question requires supporting evidence from the public domain. The information provided has to be included in your public reporting (e.g., annual report, sustainability report, integrated report, company publications) or corporate website.

Any response that cannot be verified in the attached public document(s) will not be accepted.

**REFERENCES**

ISO 50001 – Energy Management systems
Does the company have an Energy management system?

- Yes, the company has an Energy management system that covers the following elements:
  Please indicate where this information is available in public reporting or corporate website.

- References (max 3 allowed, public URLs)
  - Energy audits to identify opportunities for improving energy performance
  - Quantified targets to address energy savings
  - Actions to reduce the amount of energy use
  - Evaluation of progress in reducing energy consumption
  - Use of clean or green energy
  - Investments in innovation or R&D to decrease energy consumption
  - Energy efficiency training provided to employees to raise awareness of energy consumption reduction

- No, we have not established energy management programs
- Not applicable. Please provide explanations in the comment box below
Contact Us

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