

IBM and Energy Efficiency

Energy management systems

IBM has a long standing commitment for the Environment and energy efficiency. An environmental policy has been in place for over 40 years and the corporation is certified to both the ISO 14001 and ISO 50001 standards. The outcome of these commitments has been outstanding results in various spheres of activity related to environmental management and energy efficiency.

At the root of our success is the corporate commitment to Energy efficiency and the various elements of the Energy management program. The presentation will address the following elements:

Energy policy and ISO 50001 registered system

The IBM Environmental Management System incorporates and meets all the ISO 50001 requirements. The global strategy and key activities to achieve ISO 50001 registration will be presented.

Corporate monitoring and reporting tools

- The “**Utility Accountant**” (**UA**) corporate tool stores all energy data for IBM buildings throughout the world. It allows us to access and update, on a monthly basis, information on energy bills (consumption and costs) and on measurements of energy savings resulting from conservation projects. It provides a reliable source of energy data for the company. Reports can be viewed for each individual site, for a country, for a geographical region or at the corporate level.

- The “**Enterprise Energy Monitoring**” (**EEMS**) application provides on-going access to electricity meters for a number of IBM sites. The application allows building support teams to view historical data and identify opportunities for reducing consumption and document conservation projects.

- The “**Business Intelligence @ IBM**” portal application allows IBM senior management access to key energy consumption and conservation indicators worldwide.

- The **Corporate Energy management dashboard** displays the current status of energy metrics and key performance indicators (KPIs) at the enterprise level. It consolidates and arrange numbers, metrics and performance scorecards on a single screen. It helps to Identify operational efficiencies and inefficiencies and apply preventive and corrective actions.

- The **Smarter building monitoring system** allows sites to continuously review and maintain efficiency of operating system. The intelligent system combines sensor data and intelligent rules to generate real time alerts that are dispatched to operation allowing to readjust or correct systems resulting in a controlled and efficient building operation.

- **Energy checklists allow sites** to identify opportunities for improving building systems and maintaining them at an optimum level of efficiency, a group of IBM experts worldwide has drawn up energy checklists containing best practices in various categories, such as HVAC systems, cooling systems, heating systems, etc. This process allows the efficiency of systems to be maintained and improved continually; it also encourages feedback, heightens technical awareness and fosters exchanges with world experts and local teams who carry out the checks.

Corporate results summary

The overall IBM corporation key indicator results will be reviewed in the field of energy efficiency.

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