

Energy management system (ISO 50001)

Organizations that waste energy are not only losing money but also causing avoidable pollution through increased carbon emissions, with adverse environmental impacts. In addition, energy security and rapid depletion of fossil fuels are global concerns. Therefore, proper energy management through energy efficiency/conservation measures is of paramount importance and can be achieved by adopting an energy management system. ISO 50001: Energy Management System was published in 2011 to help organizations use energy efficiently, save money, conserve resources, and tackle climate change. This system is based on the plan-do-check-act model like ISO 9001 and ISO 14001 and therefore opens possibilities for integration.

To provide an opportunity for senior executives and environmental officers to understand the methodology and major components of ISO 50001 and then improve energy performance in their organizations, the APO organized a training course on The Energy Management System (ISO 50001), 10–14 June, in association with the Productivity Improvement Center and Directorate of Productivity and Entrepreneurship, Ministry of Manpower and Transmigration, Indonesia. It was attended by 24 individuals, comprising seven from the private sector, seven from government, and 10 from NGOs and NPOs from 15 member economies. The course covered ISO 50001 requirements, fundamentals of ISO 50001, how to implement the standard, tools and documents needed, and benefits to businesses.

The course utilized the accelerated learning technique in which all participants were divided into six working groups on day 1. Each was assigned tasks after every

session delivered by the resource speakers, and then two or three groups made presentations in rotation. This ensured that all participants were fully engaged and interactive. Pre- and postcourse exams assessed the knowledge acquired. On day 3, the participants visited Indonesia Power Company, which planned to implement an energy management system based on ISO 50001. Capitalizing on the theoretical and practical inputs, the six groups developed energy management systems for a hypothetical case presented on the final day.

At the dinner reception hosted by APO Director and Director General of Training and Productivity Development, Ministry of Manpower and Transmigration, Abdul Wahab Bangkora noted that this course was of special significance as Indonesia faced energy management challenges. One participant said, “The high level of interaction and interesting sessions did not let anyone sleep even after hearty, delicious lunches served by the gracious hosts.” The course will contribute to improved energy performance in participants’ organizations and others through multiplier effects. ☺



Participants intent on a presentation by Indonesia Power Company on its energy management system.