

Webinar Title: ENERGY CONSERVATION OPPORTUNITIES IN UTILITIES

Expert Speaker (Name/ Designation) – Shri Devinder Singh, Certified Energy Auditor and National level Energy Management Consultant cum Trainer

Registration Fee (including GST):- Rs 399/- (Rupees Three Hundred Ninety Nine Only) per participant inclusive of GST

Webinar Date: 20.12.2020

Duration: 11.00 hours to 12.30 hours (one hour thirty minutes)

About Webinar (Brief One para): - Energy conservation is the effort made to reduce the consumption of energy by using less of an energy service. This can be achieved either by using energy more efficiently (using less energy for a constant service) or by reducing the amount of service used (for example, by driving less). Energy conservation is a part of the concept of Eco-sufficiency. Energy can be conserved by reducing wastage and losses, improving efficiency through technological upgrades and improved operation and maintenance.

Energy conservation and efficiency may be related, but they have distinct definitions in the energy world. **Energy conservation involves using less energy by adjusting your behaviors and habits. Energy efficiency, on the other hand, involves using technology that requires less energy to perform the same function.** Energy-saving light bulbs, large household appliances, smart thermostats, and smart home hubs like Constellation Connect are all examples of technology that can be energy efficient.

Energy efficiency delivers several benefits including: reducing pollution, saving households and businesses money on energy bills, improving health and comfort, increasing electric grid resilience, creating jobs and expanding economic development.

Additionally, by investing in efficiency, utilities can defer or avoid building new power plants. Being the cheapest energy resource, efficiency is also an excellent investment, with research finding that it often returns benefits of \$2 or more for each dollar invested. Utilities can profit through direct financial and environmental benefits, and increased shareholder and customer value. Where demand side management (DSM) programs cost less per kilowatt-hour than it would cost to generate the same amount of electricity, energy conservation offers a viable supply option, reducing the need for large capital expenditures in generating capacity. It may also improve the efficiency of transmission and distribution assets and reduce operating and maintenance costs.

This webinar will focus on how the energy can be saved in utilities such as mechanical, electrical and thermal utilities used in the different sectors. It will also cover few case studies from the different sectors which will describe that how industries has saved huge from Energy Conservation measures.

Webinar Coverage:-

- Energy Conservation and its importance
- Energy Conservation Methods
- Energy Conservation Act, 2001
- Mechanical, Electrical and Thermal Utilities
- Energy Conservation Opportunities in Utilities
- Energy Conservation Opportunities in Mechanical Utilities
- Energy Conservation Opportunities in Thermal Utilities
- Energy Conservation Opportunities in Electrical Utilities
- Energy Audits, their benefits and methodology
- Energy Management System(ISO 50001)
- Case studies and examples

Speaker Profile (Brief One Para & Photograph):- Mr. Devinder Singh is a Graduate Engineer , Certified Energy Auditor , Energy Management Consultant cum trainer. He has served National Productivity Council as Energy Management Consultant and conducted Energy Audits in several Government, PSUs and Private organizations. He is a National level trainer on various Energy Management concepts.



Register to learn (Key Learning's' in bullet points):

- Energy Conservation and its importance
- Energy Conservation Methods
- Energy Conservation Opportunities in Utilities
- Energy Audits, their benefits and methodology
- Energy Management System(ISO 50001)

Date: - 20.12.2020

Time Slot: - 11.00 hours to 12.30 hours (Forenoon)

Thanks and regards

S.P.Singh

Regional Director

National Productivity Council, Chandigarh

SCO-40, First Floor, Sector 7-C, Chandigarh

Website: www.npcindia.gov.in

