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Sustainable Energy Trends

by

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Sense of urgency has been brought to energy issues around the world, including addressing the power grid infrastructure and environmental concerns. Reliable and efficient electrical grid operation is critical to society. Electrical utility industry is making the transition to new infrastructure with benefits of improving the performance of electric utility systems and addressing the energy needs of society, such as improved efficiency and utilization, renewable energy integration, demand response, power quality and reduced maintenance cost. This approach requires system and equipment reinforcement, improved integrated system planning and operation, and increased automation.

This presentation will address emerging industry trends, aging infrastructure drivers and solutions, workforce needs and solutions, and technologies to realize the needs of the electricity users for sustainable energy delivery and enhanced power system performance.