

**Low carbon electricity =
Integrate Resource Strategic Planning
(IRSP)
+
Smart grid**

Tuesday, August 3rd

Seminar at 11:00 AM

Room E19-319

400 Main Street



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Abstract

Integrate Resource Strategic Planning (IRSP) balances the power supply side and demand side, making the optimal electricity savings on the demand side and optimal power generation on the supply side. It can be used as a tool for policy makers to evaluate the effectiveness of targeted incentive policies, such as price rebate for energy efficiency equipment, in creating energy saving and mitigating GHG. IRSP can also improve the targeting of Smart Grid investments for energy savings and clean energy generation. So, it can be put as

Low carbon electricity = IRSP + Smart grid

About the Speaker

Dr. Zhaoguang Hu is the vice president and chief energy specialist at the State Grid Energy Research Institute (former State Power Economic Research Institute) as well as the head of the Power Supply and Demand Research Laboratory. He is the director of Power Economic Committee of CSEE (Chinese Society of Electric Engineering). He is also an honorary professor at North-China Electric University and Beijing Jiaotong University, as well as a chief editor of Energy Technology and Economics (Chinese). His main areas of interest are: low-carbon energy, energy economy, energy efficiency and demand side management (DSM), smart grid, and policy study on the above areas. Dr. Hu was one of the main contributors of the China's DSM white paper in 2007. From 2004 to 2007, many of his suggestions on DSM policy have been accepted by the Chinese government, including China's DSM regulation and the revised Energy Conservation Law. He was a team leader of the World Bank's project, "DSM in China's Restructured Power Industry – How Regulation and Policy Can Deliver DSM Benefits to a Growing Economy and a Changing Power System," in 2004.

Hu received the Special Contribution Award in 1998 from the Chinese government for his efforts in furthering China's scientific development. He has published more than 140 papers and several books. Dr. Hu received his Bachelor of Science at Huadong Petroleum Institute in 1982, and Master and Ph.D at Electric Power Research Institute of China in 1984 and 1989 respectively.