

NEW PUBLICATION

“Demand Side Management (DSM) in Electric Power Systems”

Demand Side Management involves steps taken by the customer on their meter to change and regulate the amount or timing of energy consumption. Power supply utilities offer a variety of measures that can reduce energy consumption and consumer energy expenses. Electricity DSM strategies have the goal of maximizing end-use efficiency to avoid or postpone the construction of new generating plants. There are various opportunities and techniques available for reducing energy consumption. These include efficient lighting, variable speed drives, solar hot water systems etc. These technologies reduce demand, help in lowering high peak prices and also reduce greenhouse gas emissions due to less stress on generating plants. Load Response Programs also play effective role in DSM. These include switching off or reschedule of non-essential and non-critical loads by the end users in response to the request of the utilities. This can lead to save the system network from exceeding its peak rating.

Council of Power Utilities (CPU) has brought out in October 2007 a compilation on “Demand Side Management”. The following are the contents:-

1. Integrated Resources Planning and Demand Side Management Manual for China and Other Developing Countries-Shri Steven Nadal, Shri Yang Zhirong and Shri Shi Yingyi, <http://www.aceee.org>
2. Cost Analysis of Demand Side Energy Management- Shri K. S. Kannan (Institute Sultan Iskandar, Universiti Teknologi Malaysia), <http://www.ptm.org.my>
3. Is Demand Side Management Economically Justified? -Shri Richard Sonnenblick, <http://www.eetd.lbl.gov>
4. DSM and EC Program Implementation- a way ahead for DISCOMS to retain and expand consumer base- Shri Mahesh Patankar, Sr. Project Manager, IIEC and USAID-EL al
5. Demand Side Management-Peterbrough Utilities Services-<http://www.puc.org>
6. U.S. Electric Utility Demand Side Management: Trends and Analysis <http://www.eia.doe.gov>
7. The Demand Side Management Methodology-Shri Olof Bjorkqvist, Mid Sweden University-<http://www.bjorkqvist.nu>
8. OCEAN Air Enterprises-North Carolina Power, 109B 84th St. Virginia Beach, VA23451-<http://www.eleysavings.now.com>
9. Peak Load and Demand Side Management- What This Means for Air Conditioning- Shri Brad Page, CEO, Energy Supply Association of Australia www.energyrating.gov.au
10. Demand Side Management For Resident and Commercial End-Users- May 2006 by Shri Eric Bonneville, Ph. D Anne Rialhe, AERE <http://www.leonardo-energy.org>
11. Energy Conservation By Demand Side Management By Standardization And Energy Labelling-Shri K. P. Gupta, Member, Gujarat Electricity Regulatory Commission <http://www.energymanagertraining.com>
12. Energy Efficiency and Demand Side Management through Power Sector Reforms- Shri S. P. S. Raghav (CMD) & Shri Jayant Sinha, DGM (IT) Uttaranchal Power Corporation Limited-<http://www.upcl.org>
13. Demand Side Management- Enermet, <http://www.enermet.com>

This publication of 132 pages will be very useful to the distribution engineers, power consumers and equipment manufacturers.

We are pleased to offer this Publication at a price of Rs.1000/- (Rupees one thousand only). The publication can be had from the office of Council Of Power Utilities, A-2/158, Janakpuri, New Delhi-110058 India on payment by either in cash or by Demand Draft drawn in favour of Council Of Power Utilities payable on any Bank in Delhi/New Delhi only. The publication is for internal use only. The Government organisation may ask for an invoice in advance.

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