

## EVALUATING LOAD MANAGEMENT POTENTIAL

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*Demand-side management (DSM), particularly the load management, provides electric power utilities a flexible way of meeting the peak load in a production schedule and a demand-side resource of dispatchable capacity. At that DSM is an environmentally friendly technology enabling to save fossil fuels and reduce pollutant emissions. So DSM programs can be viewed as the least-cost energy resource when both environmental costs and welfare needs are considered. Therefore electric utilities as well as governments have increasing interest in DSM to promote energy efficiency, and achieve cost-effectiveness for both utilities and consumers, mainly by deferring the need to build new power plants. With this interest, there is an increasing need for evaluation of DSM potential in initial stages of elaborating corresponding programs. This paper presents the main results of a study for evaluation of load management potential and its techno-economic viability conducted by the Department of Electrical Power Engineering of Tallinn University of Technology. The applied methodology can be used as the basic framework for quick preliminary evaluation of the load management potential and its main economical characteristics.*

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