

Demand and Energy Efficiency Program

*E*nergy efficiency and demand reduction are important issues today in business and industry. The costs associated with each can weigh significantly on the success or failure of a business to produce a profit or to even stay in business.

Introduction

In order to assist Oklahoma business and industry with these important business issues, the Oklahoma Municipal Power Authority (OMPA) Board has approved the creation of a Demand and Energy Efficiency Program called DEEP.

The purpose of the program is to help OMPA member cities and their end-use-customers to reduce their summer peak energy demand, measured in kW or kilowatts, between 2 pm and 8 pm for June through September when OMPA normally reaches a system peak load.

Effects

Lowering demand and energy costs have both short-term and long-term effects on business operations, community and business growth, product quality and availability and services provided. In the short term, costs are reduced which helps the cash flow of a business or industry.

The long-term effect helps keep the business in production and in the community and growing. When the business grows, more jobs are created in the community and demand for other products and services increase, creating a more robust economic climate.

Projects

DEEP projects may be as simple as replacing existing inefficient lighting with today's higher efficiency fixtures, which operate at a lower demand rating yet produce equivalent lighting.

Other DEEP projects could combine replacement of less efficient manufacturing equipment with newer technologies, which reduce demand and produce a better quality product.

An example of this would be the use of high-pressure water used to cut steel for producing a machine part, or an induction furnace for heating, curing, drying, soldering, melting or brazing. These higher-efficiency systems can reduce the energy and demand usage in an industry process and at the same time produce a better part or finish.

DEEP Plan

The DEEP plan will help reduce costs to the OMPA member cities by reducing their demand costs. Reduction in demand by an OMPA member city in city operations will improve the city's cash flow and help maintain services expected in the community.

These reductions in costs both by the city and by their customers will help delay the need by OMPA to build additional generation facilities which could significantly increase costs to both the member city and those it serves.

Initially, the DEEP plan is targeting commercial and industrial loads where the greatest impacts can be realized. School and government building loads will also provide an opportunity for savings.

The DEEP plan incents energy users to implement energy efficient projects by awarding rebate amounts with matching funds up to \$100,000 annually per customer.

Each DEEP project is evaluated by OMPA staff, using information provided by the energy user. Details of the program are available through each member city or through OMPA.