

ENERGY CONSERVATION PLAN

Introduction

Due to the increasing cost of energy, the Contra Costa Community College District has established the following energy conservation plan which provides for the investment of funds resulting from energy savings in additional energy conservation projects.

Base Year

A base average year for consumption and amount will be established for each location. The base average year will be computed for each current year by using the average of the last three years. The energy year will correspond to the fiscal year.

The District will provide an annual allocation for gas and electricity sufficient to fund the base average year's consumption plus any adjustments for changes in square footage and rate increases for the current year's consumption.

Electrical Savings

For the purpose of allocating dollars to the energy conservation project funds, a direct comparison of the present year usage to the base average year usage will be used for each location. Electrical savings will be the difference of the base average year electrical usage minus the present year electrical usage. Electrical savings multiplied by present cost per kilowatt hour will equal dollar savings from electrical savings. Only positive savings will accumulate in the energy conservation project fund. Present cost will be the average cost per kilowatt hour for the current fiscal year. Utility billing will be used for making the comparison.

Gas Savings

For the purpose of allocating dollars to the energy conservation project funds, a direct comparison of the present year usage to the base average year usage will be used for each location. Gas savings will be the difference of the base average year gas usage minus the present year gas usage. Gas savings multiplied by present cost per therm will equal dollar savings from gas savings. Only positive savings will accumulate in the energy conservation project fund. Present cost will be the average cost per therm for the current fiscal year. Utility billing will be used for making the comparison.

Monthly Tracking of Gas and Electric Usage

Although funds for energy savings will be allocated on an annual basis, it is suggested that each location track energy usage on a monthly basis. Through monthly tracking, any divergence from the conserving path will be quickly recognized and the proper adjustments can be made in a timely fashion.

Other Plan Elements

Changes in square footage of a location will be compensated for by multiplying the base average year energy consumption (either electrical or gas) by the ratio of the present year square footage divided by the prior year square footage. The result of this multiplication will be the official base average year usage and will be used in the calculations of energy savings.

The energy conservation project fund will receive all savings from reduced energy use. The funds will be placed in the District's energy conservation reserve account to be used for energy conservation projects as recommended by the Vice Chancellor, Business Services and the District Director of Facilities and Planning and approved by District Council.

No energy conservation measure funded by this source shall be implemented which has a simple payback period of greater than seven years.

Remaining balances in the energy conservation reserve account will be carried forward at the close of the fiscal year.