



Business Case Study:
Unisys Corporation

Background

- Type of Business: Provider of IT services and solutions
- Location: Orange County, Calif.
- Size: Approximately 1,000 employees, 303,000-square-foot facility
- Contact: Mike Safranski, Manager, Site Services
25725 Jeronimo Road,
Mission Viejo, CA 92691
Phone: (949) 380-5395
E-mail: Michael.safranski@unisys.com

Summary

When Stage 3 electrical emergencies hit Unisys' headquarters in Mission Viejo in 2001, local Unisys management developed an energy reduction plan. The plan included the installation of a "cool roof" and a comprehensive employee-driven conservation program, known as "Summer Survivor." The program was well received by the employees and helped the 303,000-square-foot office produce remarkable results: 22 percent power reduction and 1.8 million kWh in energy and \$263,250 in energy costs saved over the five-month summer period. Unisys saw an overall power reduction of 19 percent in 2001 (3,358,360 kWh and \$392,594 for the total year).

Referenced in Business Guides:

- #1, "Reduce Energy Use in Commercial Facilities Through Conservation Measures and Efficiency Improvements"
- #3, "Target Business Employees for Energy Conservation in the Workplace."

Plan

Unisys in Mission Viejo developed two programs, one to target corporate facilities and the other to target employee behavior. To educate and enlist the participation of employees in conservation efforts, Unisys, Mission Viejo formed a conservation team, comprised of 25 employees from key departments including labs, data center, help desk, data communications and facilities. The team's mission was to develop conservation initiatives, track results of the program and act as a liaison for their respective

departments. The team developed an employee incentive program called "Summer Survivor."

Programs: Efficiency

✓ **Weatherization:** Installed an ENERGY STAR® compliant "cool roof" in an effort to decrease air conditioning usage over the summer months. The new system covered the entire 303,000 square foot, single-story facility and was installed over the existing roof. The roof was made of a Sarnafil PVC roof membrane system with the addition of 1.5 inches of Poly ISO Insulation. The insulation R-Value (the amount of insulation needed based on climate, type of heating and the section of the building) increased from 3.7 to 12.1.

Programs: Employee Outreach

- ✓ **Incentives:** Made certificates to acknowledge extra conservation efforts by employees in the "Summer Survivor Program."
- Awarded lunch certificates (\$5 towards lunch in the company cafeteria) to employees for their energy conservation efforts.
 - Provided free lunches to all 1,000 employees during a special "Energy Conservation Results" event. The event celebrated the success of the first two months of energy conservation and the 20/20 rebate received through SCE.
- ✓ **Team work:** The corporation developed "Summer Survivor" to encourage employee conservation efforts.
- A kick-off Summer Survivor meeting was held for all employees. Twenty-five employees were chosen to form the core Summer Survivor Team.
 - The following were key components to the Summer Survivor Program:
 - Cut hallway lighting in half
 - Voluntary employee requests to reduce office/computer room lighting
 - Lab Equipment Use Plan – Turn off large, power consuming equipment when not in use
 - Turn off personal computers, printers, etc., when not in use

- “Peak Shaving” program – Cycle air conditioning on and off in the afternoon; energy-efficient personal fans provided to employees

Budget and Finance

The Corporate Capital Plan Fund paid for the new cool roof. Normal occupancy expense paid for 200 personal fans – purchased at \$12 each – for the “Peak Shaving” program.

Results

Energy use was tracked via the company’s energy management system (EMS) and Southern California Edison’s (SCE) “AMICOS” program. AMICOS provides accurate, real-time use information. The information gathered from these programs was updated daily on the Web page and the daily reports were collaborated into a weekly progress report provided to the Summer Survivor team.

The Summer Survivor program received a positive response from employees. This was reflected in employees’ increased efforts to turn off unnecessary lighting and office equipment and use energy-efficient personal fans.

Unisys’ Summer Survivor Program cost \$11,400 for incentives (lunches, buttons and logo flashlights) and \$2,400 for personal fans. The conservation actions produced remarkable results: 22 percent power reduction (1.8 million kWh) and \$263,250 in energy costs saved over the five-month summer period and an overall 19 percent power reduction for 2001.

Lessons Learned

Qualifying for incentive/rebate programs such as 20/20 became a key rallying point for employees. Regular presentations of tangible results were crucial in keeping employees motivated to conserve.