

Energy conservation program could save EMU millions over time

By Ward Mullens

If your utility bill was \$500,000 a month, wouldn't you want to try to find ways to reduce it?

That is exactly what Eastern Michigan University is trying to do with its new Conserve Eastern Energy Program.

"Like most universities, Eastern Michigan University is confronted with escalating energy costs over which we have little control," said Patrick Doyle, vice president of business and finance. "This fiscal year, EMU experienced a 31 percent increase in utility costs and another 10 percent increase is anticipated next year, all at a time when there is no additional state support."

"The campaign is a simple plan to help the University understand ways we can strategically cut costs and gets everyone involved in a grass-roots effort to conserve energy," Doyle said.

An energy management team has been working on a strategic plan that deals with creating energy conservation measures (ECMs) for targeted buildings such as Pierce, Sill, Roosevelt, Sherzer and Mark Jefferson.

ECMs are plans that identify specific ways a building can make the most of its energy usage. It involves different lighting options and other elements designed to help conserve energy.

This year, EMU launched "Conserve Eastern Energy," a multi-faceted approach to energy conservation that includes the following initiatives:

- Individual awareness and action by employees and students to turn off

lights, switch computer monitors to sleep mode when inactive and to comply with room temperature policies.

The belief that turning off your computer will decrease its life span is a myth. Electronic equipment life is a function of operating hours and heat. Both of these factors are reduced when equipment is switched off.

A typical desktop system (a computer, monitor and printer) can use electricity at the rate of 110 to 300 watts a day or more. Assuming you operate a 200-watt computer system day and night every day, direct annual costs would be more than \$130. In contrast, if the same system is operated just during conventional business hours, the direct annual energy cost would be about \$30, plus the cost of providing additional cooling.

When in use, computers generate heat. As a result, they require additional cooling, which adds to energy costs; requires additional equipment purchases; and increases maintenance and operational costs.

- Energy efficient building systems have been reconfigured, with conversion to energy-efficient building system components for pumps, motors, fans, windows, doors, controls and automatic water faucets.

The team proposes to measure electrical energy and demand; steam delivery and condensate return; chill water mass flow/BTU use; and any other selected energy flows determined to be of

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ENERGY SAVING TIPS

There are a number of things you can do to save energy on campus. They include:

- Turning off unused and unneeded lights.
- Making sure that your desk lamp uses a fluorescent bulb instead of an incandescent one.
- Using natural lighting instead of electrical lighting whenever possible.
- Turning off all energy consuming office and research equipment when not in use. These include copiers, refrigerators, ovens, and fume hoods.
- During cold months, open blinds, drapes and curtains to let the sun in. If there is no sun, close them to keep heat in. During warm months, close blinds, drapes and curtains to block sun.
- Remove electrical space heaters.
- Dress appropriate to the season. Keep thermostats at 68 degrees in the winter and 76 degrees for air-conditioned spaces in the summer.
- Organize an ongoing energy awareness program in your office.
- Do not use power strips to turn on all computer and desk equipment at once.
- When buying computers and peripherals, buy low wattage equipment with the "Energy Star" on it.

EMU initiates new teacher resources network with grant from SBC Ameritech

Eastern Michigan University has received a \$75,000 grant from the SBC Foundation (the charitable giving arm of SBC Ameritech) that will initiate the New Teacher Resources Network, a partnership to improve the quality of teaching by supporting new teachers.

Through the use of the pioneering, on-line resources network, beginning teachers in Michigan will have access to high-quality instructional information. The grant will impact 2,000 student teachers and new teachers during the first year of the program at EMU, and more than 10,000 in conjunction with a state-wide, three-year grant pro-



TEACHER TECHNOLOGY: Eastern Michigan University President Samuel A. Kirkpatrick (far left) and Jerry Robbins, dean of the College of Education (right), accept a \$75,000 check from Ameritech Michigan President Gail Torreano (second from left). Sara Burns, a representative for Sen. Carl Levin, also is pictured. The grant will be used to create an online resource network for new teachers and student teachers.

gram now in place with the Consortium for Outstanding Achievement in Teaching with Technology (COATT).

The partnership will provide support, training and mentoring by experts; increase capacity in the inte-

gration of technology in a projected 500 classrooms and 60 school districts; and enhance communication between new teachers to reduce the growing problem of new teacher drop-outs.

Approximately one in four

teachers leaves the profession within the first five years, said Ellen Hoffman, assistant professor of teacher education.

"This is a Web-based portal that new teachers and stu-

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Elwell masters e-mail, Internet in golden years

By Hollie A. Bayer

Most people learn new technology out of necessity, whether for career or educational purposes. Eva-Deane Elwell, an Eastern Michigan University associate emeritus faculty member, just wanted to lower her phone bill.

Elwell had heard about e-mail and thought it would be the perfect way to communicate with her relatives, who live long distances away.

So, she accepted the challenge. She bought a computer, hooked it up, and got connected to the Internet. No big deal. People do it every day. Except that most people who do are not 89 years old.

Elwell said the biggest challenge she faced was understanding computer lingo. So, she decided to focus more on understanding the computer applications.

"I figure I can use this thing without knowing what's going on inside," Elwell said of her Dell 700 computer.

Elwell has since mastered the art of writing and send-

ing e-mail. However, she has gone beyond the original expectations that she set for herself and has taken on new adventures.

She has learned how to use the scanner (that she purchased with the computer) and uses it to make copies of letters and checks. She also uses it to create personal stationary by scanning pictures of friends and family, and placing it on regular computer paper.

Word processing is another function that she is learning. She uses this program to write short essays.

Elwell also has made friends with the Internet, which she surfs to gather research about a variety of subjects.

"I'm searching for things I'm interested in, but I'm getting a lot of trash, too," she said.

She shares some of her research with a humanities group of elderly women in the Ypsilanti/Ann Arbor area, who meet to discuss art, music, literature and philosophy.

Elwell said her new-gained



ADVANCED TECHNOLOGY: Eva-Deane Elwell has learned how to use a computer at the age of 89. Elwell, wife of former EMU emeritus music professor John F. Elwell, wanted to be able to e-mail friends and family, and simultaneously lower her telephone bills.

ability to use a computer has presented her with a unique learning experience and broke boundaries for her, which she said is very important to elderly people.

"One thing that I've learned in getting older is that to do it gracefully, you've got to have challenges," she said, mentioning she turned 90 in January.

When asked if she would recommend learning technology to other senior citizens, Elwell said, "Oh, definitely. I think my brain has tuned up a lot since I've started using it."

Nineteen faculty awarded sabbatical leave awards

By Hollie A. Bayer

Nineteen Eastern Michigan University faculty have been awarded Sabbatical Leave Awards for the 2002-2003 academic year.

Awardees may apply for a full-year leave at half pay or a half-year award at full pay.

"Sabbatical leaves are a critically important part of our ongoing faculty development," said Paul Schollaert, provost and vice president for academic affairs. "It allows the faculty to engage in activities that will significantly enhance their teaching abilities."

Sabbatical Leave Award winners, their home departments and their projects for the 2002-2003 academic year are:

One-Semester Sabbatical Leave Award winners

■ **David B. Crary**, economics, "An Econometric Model of the U.S. Economy."

■ **Ruth Ann Hansen**, associated health professions, "A Com-



Hansen

prehensive Assessment Process for the Revised Occupational Therapy Curriculum."

■ **Arthur S. Howard**, chemistry, "The Use of Microwave Irradiation in the Exploration of a Novel Route to Benzodiazepines and Analogous Compounds."



Kass

■ **David Kass**, biology, "The Regulation of SINEs and LINES: A Window to Evolution and Disease."

■ **Konnie Kustron**, business and technology education, "Gender Bias in the Michigan Attorney Grievance and Disciplinary Processes."

■ **Mansoor Moaddel**, sociology, anthropology and criminology, "A Post-Crisis Analysis of the Attitudes and Value Orientations of the Islamic Publics in Egypt, Iran and Morocco."

■ **Susan K. Pfoutz**, nursing, "The Cost of Being a Patient."

■ **Natthi L. Sharma**, physics and astronomy, "Hands-On Learning in Photonics."

■ **Fathi F. Sokkar**, computer in-

formation systems, "Supply Chain Management and E-Business."



Moreland

■ **Kemper W. Moreland**, economics, "The Optimal Piecewise Linear Income Tax."

■ **Denise M. Tanguay**, management, "Characteristics of Merit Pay Plans in Higher Education: A Survey."

■ **William D. Tucker**, English language and literature, "When Teachers Write Reflectively: Goals, Constraints, Benefits."

■ **James L. VandenBosch**, biology, "Mariner-Based PhoA Gene Fusions in *Campylobacter Jejuni*."



Zirk

■ **Willard D. Zirk**, music, "Personal Private Music Teacher: A Digital Versatile Disc."

■ **Gary M. Victor**, marketing and law, "The Michigan Consumer Protection Act Twenty-

Five Years After—What is Left and Where Are We Going?"

■ **Judith C. Williston**, teacher education, "Writing a Book: Developing the Teacher Leader."

■ **Robert S. Winning**, biology, "Investigation into the Role of Rho GTPases in Embryonic Cellular Communication."

Two-Semester Sabbatical Leave Award winners are:

■ **Monroe P. Friedman**, psychology, "Commercial Influences in Popular American Plays and Songs of the



Friedman

Post-World War II Era."



Blakeslee

■ **Ann M. Blakeslee**, English language and literature, "Exploring the Social and Political Dimensions of Workplace and Academic Genres."

Grant aids minority teaching majors

By Hollie A. Bayer

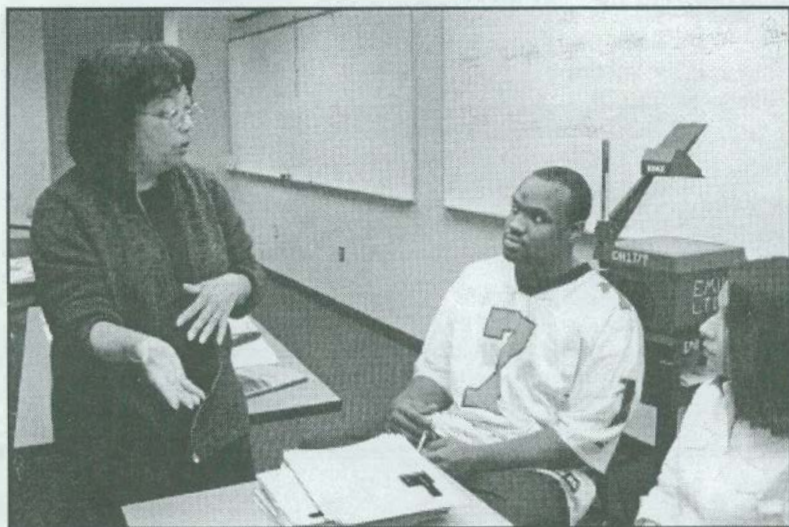
The Michigan Department of Career Development recently awarded Eastern Michigan University a \$53,716 grant as part of a program entitled "Minority Achievement, Retention and Success (MARS)."

"The grant money will be used for programs to support minorities who will be teachers," said Carolyn Finch, associate dean of academic services and project director.

The Michigan Department of Career Development sent out letters of solicitation to Michigan universities inquiring about their need for this kind of grant, and their goals and research should they receive the grant. Interested universities responded by sending a proposal outlining what they would do with the grant money if chosen.

Eastern Michigan was chosen, in part, because of its ability to provide \$23,000 in matching funds and because it agreed to incorporate the program into its teacher-certification curriculum after the grant money runs out.

The University scheduled a series of bi-weekly seminars (Jan. 24-April 18) for 20 minority students currently enrolled in



TAKING A LOOK: (from left) Deborah Harmon, a teacher education professor, leads a recent seminar with EMU minority students Semanj Coleman (center) and Maribel Rodriguez enrolled in teacher-certification programs. The seminars were made possible through a matching grant from the state of Michigan.

Photo by Myah Benjamin

teacher-certification programs. The seminars' goals were wide-ranging, including understanding racial identity to increasing the achievement of the students during their student teaching period.

"It's meant to be an opportunity of reflection and review of the teaching strategies," Finch said.

The seminars included research-based strategies for teaching that are effective for minori-

ties; models for teaching; and how different cultures' communication styles influence the teaching and learning process, said Finch.

"Receiving this grant helps faculty appreciate and understand students — not just minorities — but all students," said Finch. "I'm just delighted to be able to give students the opportunity to meet and discuss issues, and to give them some monetary support."

COT spring lecture series focuses on home front security issues

By Paula Miller

"Technology Risks, Protection and National Security," is the theme for the 21st Annual Spring Lecture Series presented by EMU's College of Technology, May 8-June 19.

The lecture series will address issues of vulnerability and security on the home front. The topics are presented to students, faculty and the general public at no cost. The series also is offered as a graduate and undergraduate course through the department of interdisciplinary technology.

Six lectures are scheduled for Wednesdays, 7-10 p.m., EMU Corporate Education Center, Marriott at Eagle Crest, Ypsilanti. The lecture series is as follows:

■ The lecture series begins May 8, with "State of Michigan Home Front Security," presented by Mike McDaniel, assistant attorney general. This lecture will address issues concerning Michigan's home front security.

■ A panel of U.S. military personnel will present "Future Warfare and Terrorism" May 15. This session is designed to share theories and develop awareness for possible future terrorist activities.

■ Dick Hartman, retired Secret Service; Russ Olwell, EMU assistant professor of history; and Ron Westrum, EMU professor of interdisciplinary technology, present "Theories of Risk and Vulnerability" May 22. Discussions will include a

look at historical precedents and analogies regarding the current terrorism threat facing the U.S.

■ Former Secretary of Transportation and EMU graduate Rodney Slater will present "Transportation Vulnerabilities" May 29. Slater will share his insight and knowledge, stressing the importance of making transportation decisions in a world fraught with risk.

■ Terry Berg, assistant attorney general, Internet Crime Against Children (ICAC); and Charlene Warner, Michigan State Police, present "Information Systems Security" June 5. This discussion will examine how Internet technology is changing how people lead business, education and government.

■ The lecture series concludes June 12 with "Global Security," presented by Dan and Julie Ryan of George Washington University. The lecture will focus on global consequences and issues of information security technologies.

■ On June 19, Denise Pilato, EMU associate professor of interdisciplinary technology, hosts "Student Perspectives," a mandatory class for students taking this course for credit.

The series is sponsored by the Continuing Education Department and is being co-hosted by the Michigan State Police.

For more information, call Interdisciplinary Technology at 487-1161.

W5

For a more extensive listing of University events, go to the Office of Public Information home page at www.emich.edu/public/public_information/

International emergency dental treatment available

Under the University's Delta Dental Program, Eastern Michigan University faculty and staff and their families now have access to an exclusive worldwide network of credentialed, English-speaking dentists for dental emergencies when traveling outside the United States on business or vacation.

To receive an emergency dental appointment while in another country, faculty and staff can call Europ Assistance to arrange an appointment. English-speaking customer service representatives are available 24 hours a day, seven days a week.

Brochures for this new program can be picked up at the Benefits Office, 207 Bowen, or can be downloaded from the Delta Dental Web site at www.ddpmi.com. This site also can be accessed through the EMU Benefits Web site at www.emich.edu/public/hr/bhr.htm.

EMU places first in Area III Human Resources Games

By virtue of their victory at the Area III Human Resources Games in March, Eastern Michigan University's team will compete against five other teams in the national competition in Philadelphia in June.

EMU students landed a spot in the Human Resource National Games after taking first place in the Area III competition March 23 at the University of Toledo.

Students said they were quizzed on such topics as benefits, compensation and health and safety in the "jeopardy-style" competition, said Fraya Wagner-Marsh, coach of the HR teams.

Twenty teams from a 10-state region, including two from EMU, competed in the event.

FOCUS EMU goes to monthly format in May

This is the last weekly issue of FOCUS EMU for the 2001-02 school year. FOCUS EMU begins its monthly publication format May 14.

FOCUS EMU will be published the second Tuesday of May, June, July and August. FOCUS EMU will resume its weekly publication schedule Tuesday, Sept. 3.

JOBSLINE

To be considered for vacant positions, all Promotional Openings Application Forms MUST BE SUBMITTED directly to the Compensation/Employment Services Office and received no later than 5 p.m., Monday, May 6. NOTE: LATE OR INCOMPLETE FORMS WILL NOT BE ACCEPTED.

Vacancy information may also be obtained by calling our 24-hour Jobs Line at 487-0016. Compensation/Employment Services office hours are Monday - Friday, 8 a.m. to 5 p.m.

CLERICAL/SECRETARIAL

(Hiring Rate)

CSAA0238 CS04 \$22,224
Senior Account Clerk, Communication and Theatre Arts.

CSBF0224 CS05 \$25,113
Customer Service Representative II, Student Accounting.

PROFESSIONAL/TECHNICAL

(Hiring Range)

PTAA0241 PT08 \$34,482-\$41,396
Academic Information/Accreditation Coordinator, Academic Programming.

PTAA0242 PT08 \$34,482-\$41,396
Teacher/Placement Specialist-Developmental Mathematics, Mathematics.

FOOD SERVICE/MAINT.

(Hiring Rate)

FMBF0293 FM06 \$8.36
Custodian, Physical Plant-Floater, Sunday-Thursday 11 p.m.-7:30 a.m.

FMBF0294 FM06 \$8.36
Custodian, Physical Plant-Halle Library, Tuesday-Saturday 4 p.m.-12:30 a.m.

An Affirmative Action/
Equal Opportunity Employer

FMBF0295 FM06 \$8.36
Custodian, Physical Plant-Halle Library, Sunday-Thursday, 11 p.m.-7:30 a.m.

FMBF0296 FM06 \$8.36
Custodian, Physical Plant-Pray Harrold, Sunday - Thursday, 11 p.m.-7:30 a.m.

The pay rates stated above reflect the hiring rate or range for a newly hired EMU employee. The pay rate or salary for current employees will be established according to the respective employee group union contract, and/or University salary administration policy guidelines.

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value in implementing an ECM.

■ Metering and monitoring and managing energy consumption have been developed using a predictive weather-adjusted model to guide the daily ordering of natural gas.

"An important part of any energy conservation program is having the ability to meter and monitor energy usage and compare the before and after results on any conservation measure that is implemented," said Doyle.

Pierce, Sill, Roosevelt, Sherzer and Mark Jefferson will be the first targets of metering because they offer the greatest opportunity for energy savings, Doyle said.

"To date the University has avoided nearly \$500,000 in annual energy costs," Doyle said. "With everyone's help and these initiatives, the University has established a \$1 million cost avoidance goal."

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dent teachers can use to get help," she said. "It will be an easy way for teachers to find resources they need to help them in the classroom."

The network will connect faculty, student and beginning teachers, student teaching supervisors, instructional technologists, experienced teachers, and pilot school districts.

Several national studies have identified major issues in preparing and sustaining new teachers who are trained to use technology to enhance student achievement. Identified needs for teacher preparation programs include integration of technology throughout student teaching and continued support for new teachers as they begin their initial work in school classrooms.

"The quality of education in Michigan is a vitally important issue for us at SBC," said Gail Torreano, president, SBC Ameritech Michigan. "EMU has been training some of the finest educators in the state and we are pleased to help continue that tradition."

"We are extremely pleased to work with SBC in this exciting initiative to improve the quality of teachers for schools," said Jerry Robbins, dean of the College of Education.

Why I work at Eastern Michigan University

I am a project administrator in the Center for Organizational Risk Reduction (CORR). Basically, we teach health and safety training to people on the job.

I direct the development, marketing and delivery of CORR's training programs. I also manage program activities; proposals and contracts; and assist in budget development, resource management and quality planning.

Lots of companies, big and small, don't know enough about keeping their employees safe. In their defense, there is an awful lot to know.

I came to Eastern Michigan University nine years ago on the advice of a friend. Although I had years of experience as a dispatcher for a volunteer fire department, I was afraid I didn't have the "right" experience. My friend told me, and the staff here, that if anybody could do this job, it would be me. I'm glad he had such faith in me, because it is a great job. I enjoy helping people get the health and safety training that they need.

"Lots of companies, big and small, don't know enough about keeping their employees safe. In their defense, there is an awful lot to know."



Arlene Cook
Project Administrator
Center for Organizational
Risk Reduction