



SC Teachers and Students Have Energy² Learn

The South Carolina Energy Office and the S.C. Department of Health and Environmental Control's Office of Solid Waste Reduction and Recycling, in conjunction with the University of South Carolina's Center for Science Education and the U.S. Postal Service, held the second-annual Energy² Learn forum in August. More than 200 educators enjoyed this free, one-day event, which was open to K-12 classroom teachers and educators.

Teachers learned about composting and buying recycled products, were trained on an Action for a Cleaner Tomorrow lesson, and went on a treasure hunt. During the treasure hunt, educators heard presentations from the S.C. Energy Office, Teaching K.A.T.E (Kids About the Environment), DHEC's Bureaus of Air and of Water, EdVenture, and Champions of the Environment.

Building on the momentum from last year's revamp of PEAP (Palmetto Energy Awards Program), attendees were given a free one-year membership to the NEED (National Energy Education Development) Program. PEAP is now being promoted to K-6, leaving NEED to take South Carolina's 7-12 graders on to the national energy education level. Teachers were given exclusive NEED materials, training, and information about training opportunities at intensive, hands-on national conferences.

This forum offered something for everyone. All attendees were given curricula, a treasure trove of items made from recycled content (totebags, T-shirts, recycled products demonstration kits, desk recycling boxes, compost bins, pencils, coffee mugs, notebooks, plus many other items), lunch, and a renewed spirit to start the school year off right.

Mylynda Love of the York County Soil and Water Conservation District was the big winner of the day. She won a recycled computer, courtesy of the U.S. Postal Service.

compact fluorescent light bulbs, desk supplies, a solar energy kit, and many other items. But the biggest prize of the day went to Mylynda Love of the York County Soil and Water Conservation District – a recycled computer, courtesy of the U.S. Postal Service.

Many doorprizes were also given away: boxes of crayons made from soybeans, an environmental test kit, educational videotapes, a "fleece" jacket made from recycled content, compact

On Saturday, August 7, the S.C. Energy Office, DHEC's Office of Solid Waste Reduction and Recycling, and the U.S. Postal Service joined more than 40 other exhibitors to participate in WIS-TV's Back to School Bash at the State Fairgrounds. This free community event attracted more than 17,000 students gearing up for the school year. Kids were treated to live shows, often acting as participants as well as audience members, were given the opportunity to purchase recycled content school supplies from Wal-Mart, and engaged in fun and games, winning great prizes.

Reneé Daggerhart of the South Carolina Energy Office leads students in a game of Energy Scramble at WIS-TV's annual Back to School Bash.

South Carolina Energy Office
1201 Main Street Suite 820
Columbia, South Carolina
29201
(803) 737-8030
1-800-851-8899
FAX (803) 737-9846

For more information on energy education programs sponsored by the Energy Office and DHEC, contact Renee Daggerhart of the S.C. Energy Office.

Notes From the Director

Mitch Perkins



Far too often the conventional planning-spec process leaves building facility owners in a very precarious position. This process is often adversarial, resulting in buildings that are over budget, inefficient, uncomfortable and sometimes unhealthy, and which are completed under a cloud of recrimination, finger pointing and expensive change orders.

By conducting the fundamental planning work up-front with all players at the table, developers can implement the whole-system thinking approach. In standard developments, resource efficiency and environmental impacts are often considered only as afterthoughts, if at all, despite the potential for substantial and continued savings throughout a development's life cycle. It is much easier and cheaper to maximize the benefits of energy efficiency and green planning design by addressing these issues in the initial stages of a project.

Because low-energy design represents both a load reduction strategy and a renewable energy source, it is essential to consider low-energy principles at the beginning of the design process. Achieving superior building energy performance requires a comprehensive effort that begins during programming; moves through the selection of architectural and engineering professionals; continues through schematics, design development, and construction documents; and culminates in building construction and commissioning. Superior building performance must then be sustained by conscientious maintenance and confirmed by monitoring.

A low-energy building is not simply the product of new hardware; it is the product of better design. Creating a low-energy building requires comprehensive attention to detail throughout the design process. Even after the building is constructed and properly commissioned, effective monitoring and verification analysis are necessary to assure that the anticipated performance has been achieved. Studies show that buildings designed from inception with energy consumption in mind by knowledgeable design teams significantly outperform the average building. Certainly a key issue in low-energy design, setting the directives and criteria early in the programming and project development phase will have a crucial impact on any building's energy efficiency.

Developers often think front-loaded planning and design will cost more and delay project schedules. Admittedly, greater up-front investments of time and money typically are required, but those costs are often recovered, with interest, by avoiding the later costs of expensive redesigns, drawn-out approvals, litigation and stalled construction. As the saying goes: "If you can't afford to do it right the first time, how can you afford to do it twice?"

In the next issue, Perkins will discuss how to select energy-conscious design professionals, how to determine what you can afford to spend and what you can expect for your money, and how to establish low-energy building design as a project goal.

The Energy Connection

What's Happening Around the State



We welcome our newest Rebuild South Carolina Partners, **Marion School District Four, the Greater Columbia Chamber of Commerce, and Richland County**. Plans for Richland County include an energy audit in their Administrative Building located on Hampton Street. Energy conservation opportunities identified in the energy audit will be eligible for funding through the S.C. Energy Office's loan program.

Rebuild South Carolina energy audits were recently presented to **Anderson School District 3** for Starr Junior High and Starr Elementary Schools. These audits focused mainly on reducing window wall area and installing energy-efficient heat pumps. An energy audit was presented to Dorchester School District 2 for Summerville High School. This audit targeted the replacement of three domestic hot water boilers with more energy-efficient models, and on the optimization of energy management and control system operation.

The S.C. Energy Office received a \$25,000 grant from the Southeastern Regional Biomass Energy Program (SERBEP), to assist **Georgetown County** in conducting a feasibility study for using landfill gas for electricity production and for process heat in a planned multi-acre greenhouse and composting facility. Not only will the methane gas from the landfill be used, but also the vegetation in the greenhouse will absorb the carbon dioxide gas from the landfill gas.

The Energy Office received a second SERBEP grant for an additional \$22,800 for the **Palmetto Landfill** in Wellford, S.C., to conduct studies for a landfill gas pipeline to run from the landfill to the BMW Manufacturing Plant, for both electricity generation and process heat.

Energy Office Encourages Landfill Gas Use

The South Carolina Energy Office, along with the South Carolina Landfill Methane Outreach Program (LMOP) Task Force and the S.C. Chapter of the Solid Waste Association of North America, will host a one-day workshop on LMOP and landfill gas-to-energy (LFGTE) projects.

The workshop will be held Thursday, December 2, in Columbia. The goal of this workshop is to educate landfill operators and industry professionals about using landfill gas as an energy source. Workshop participants will receive a copy of the State Landfill Methane Primer, a LFGTE handbook developed by the Task Force, and they can receive continuing education credits for attending.

Landfill gas is a readily available, local energy source that offsets the need for non-renewable resources such as coal and oil. In fact, landfill gas is the only renewable energy source that, when used, actually removes pollution from the atmosphere. Landfill gas can be converted and used in many ways: to generate electricity, heat, or steam; as an alternative vehicle fuel; to power fuel cells; or to heat greenhouses.

Of the 6,000 landfills across the U.S., there are only 240 landfill gas-to-energy projects currently in operation. However, the U.S. Environmental Protection Agency estimates that as many as 700 additional landfills could cost-effectively turn their methane into an energy resource. It is estimated that these 700 projects would produce enough electricity to power 3 million homes across the U.S.

If you would like more information on LMOP and the state workshop, please contact Kate Billing of the Energy Office at (803) 737-8030 or 1-800-851-8899 statewide.

New Faces at SCEO

The S.C. Energy Office is pleased to announce the addition of three new employees to its staff, and extends a warm welcome to Shearon Drakeford, Meg Smith and Carmen Harper.

Shearon Drakeford has joined the staff as an Administrative Assistant on the business services team. She earned her Associate's Degree in Business Administration and Accounting from Midlands Technical College in 1981, and has worked for the State for the past ten years. Starting in 1990 at the S.C. Department of Transportation, Division of Motor Vehicles, Shearon worked in administration and payroll. From 1994 until 1999, she worked in the Office of General Services, Business Services, providing program support and processing financial transactions for all 27 teams in the Office of General Services.

Meg Smith has joined the Energy Office's Policy and Planning team as an intern, where she works with the Public Information Coordinator, assisting with research, document writing, layout, design and distribution. Meg worked for the State from 1996 to 1998, first as a page in the S.C. House of Representatives and then as Legislative Aide to Rep. James E. Smith, Jr. of Columbia. She is currently a senior at the USC College of Journalism and Mass Communications, and plans to pursue a Master's degree in Integrated Marketing Communications after graduation.

The Energy Office's Funding and Evaluation team is pleased to have Carmen Harper as an intern. She will assist the team with background research on programs, data collection and evaluation, and preparation of reports for funding services. Carmen received a BA in Journalism from the University of South Carolina in May 1999 and is currently pursuing a Masters in Public Administration from USC. She worked for the State in 1997 as Legislative Aide to then Representative Jim Hodges of Lancaster, and in 1998 as a page for the Ethics Committee of the S.C. House of Representatives.



ASCEM Fall Conference in the Works

A meeting of the Facilities Managers conference, a joint meeting of ASCEM (Association of South Carolina Energy Managers) and SCAPPA (South Carolina Association of Physical Plant Administrators), is scheduled for November 13-16, 1999, at the Ocean Dunes/Sand Dunes Hotel in Myrtle Beach. The conference starts on Saturday afternoon with the SCAPPA Board meeting followed by a presentation on The Road to Personal Empowerment. The day closes with a Welcome reception. Sunday begins with the Golf tournament (\$55.00 per player for golf, cart and prizes), continues with workshops beginning at 3:00 pm and concludes with a reception and trade show at 5:30 pm. Monday starts with a breakfast speaker and workshops scheduled throughout the morning. The ASCEM business meeting is scheduled for 2:00 pm, and the day concludes with the reception and banquet from 6:00 to 9:00 pm. Tuesday morning begins with a breakfast speaker and concludes with the ever popular Experience Exchange.

Watch your mail box for flyers with all the details. The deadline for nomination of Energy Managers and Energy Projects of the Year is October 15. For more details, please call Howard Coogler at (803) 737-8030 or 1-800-851-8899 statewide.

State Agencies Worm Their Way Into Vermicomposting

Would you believe worms have become our latest allies in the battle to conserve energy? Worms are part of a pilot project intended to reduce solid waste and to market the organic by-product called vermicompost. This effort involves three state agencies: the S.C. Energy Office, the S.C. Department of Health and Environmental Control Office of Solid Waste Reduction and Recycling, and the S.C. Department of Corrections.

Composting is an important part of waste management. Garden trimmings and food scraps comprise more than 25 percent of what households throw away. The average household disposes of more than 600 pounds of food waste each year. Usually, food waste is simply thrown away and disposed of in a landfill. The new vermicomposting project diverts this waste into a high quality useable product.



The food waste is being collected from the cafeteria at the Broad River Correctional Institution and from the produce department at the Rosewood Market and Deli, both in Columbia. The material is composted both at the prison and at the store. This is the first time in South Carolina that a food waste composting project is being undertaken in a commercial establishment.

The prison's team of worms is turning out compost that's packaged and sold at Sterling Garden Center and Seven Oaks Plant Shop in Columbia, and Boone-Fox Herb Farm in Chapin. The Rosewood Market sells its compost directly to customers.

Continued on Page 5

Meet E2

The South Carolina Energy Office has had many staff members over the years, but never one as "animated" as E2. E2 has joined the S.C. Energy Office as Ambassador of Goodwill across South Carolina. He will take to the airwaves in radio, have his own TV commercials, speak at conferences and workshops, and visit schools and fairs statewide.

The S.C. Energy Office has been trying for years to create an image that everyone can associate with the Office. Gregg Glymph, a graphic artist with DHEC's Office of Solid Waste Reduction and Recycling, created just the character. Named in honor of the Energy Office's K-12 energy education program, Energy² Learn, E2 will make his public debut in January, 2000.



E2 has three main messages: 1) saving energy always saves money; 2) saving energy keeps our air and water clean; and 3) saving energy is important for national security – it makes the U.S. less vulnerable in foreign events, such as wars.

Created to enhance and interact with DHEC's "Recycle Guys", E2 will join the cast of characters in a series of TV and radio commercials, public events, and print items. Each of these characters, with their own identity and theme, reinforces the others and ultimately all work together to establish a unified identity that reaches and teaches the public. We know this works. When the Recycle Guys visit South Carolina schools, children immediately begin singing "R.E.C.Y.C.L.E." to the tune of Aretha Franklin's, "R.E.S.P.E.C.T.," the Recycle Guy's theme song.

Fisher Communications of Columbia, SC is producing E2's media campaign. Fisher Communications is known world-wide as the creative force behind the "Highways or Dieways" campaign, a series of 20 brutally graphic TV spots which show the consequences of carelessness on our nation's roads.

This new campaign is a perfect example of integrated marketing and inter-agency cooperation. The S.C. Energy Office has long enjoyed a productive and very successful partnership with DHEC's Office of Solid Waste Reduction and Recycling. By combining our energy education efforts with their environmental education efforts, we all win.



New Manufacturing Process Saves Energy During Steel Production

An exciting new advance lies on the horizon for the field of steel production. Spectrum Design & Consulting International, Inc. of Hattiesburg, Mississippi, and Georgetown Steel Corporation have tested the use of an oxygen-fuel boost reformer (OFBR) system in the production of direct reduced iron (DRI), with promising results.

The S.C. Energy Office was working with Spectrum to secure funding through the National Industrial Competitiveness through Energy, Environment, and Economics (NICE³) program. However, Spectrum's commercialization partner, Midrex Direct Reduction Corporation, expressed its goal of moving forward with installation and commercialization worldwide and funded the installation at Georgetown Steel.

DRI is an exceptionally pure metallized iron product that provides a high quality feed stock and supplement for scrap used in steel production. Currently, when market demand rises, many DRI plants, including Georgetown Steel, operate above design capacities for temperature and reform gas flow in order to increase production, instead of choosing to buy more DRI or scrap, or to build

another multi-million dollar reformer unit.

Operating above capacity has many drawbacks, including increased emissions of carbon monoxide (CO), carbon dioxide (CO₂), and nitric oxide (NO_x), decreased efficiency, a shortened life of catalyst tubes due to added stress, and increased cost per ton of DRI produced.

The new OFBR technology offers a chance to avoid these negative consequences, as well as provide many of its own benefits. OFBR is a retrofit technology that can be operated whenever needed and shut down with ease when not needed.

The resulting benefits include an increased capacity of existing DRI furnaces; lower cost per ton of DRI produced; a reduction in the total energy required for production; improved process control; reduced emissions of CO, CO₂, and NO_x; improved quality of DRI produced; and better overall production efficiency. As an addition to existing units, OFBR can boost DRI production while at the same time reducing stress on the primary reformer by allowing it to operate at a lower temperature, again saving energy.

Georgetown and Spectrum calculate that OFBR will increase production at the plant by 5 to 7 percent, decrease total production costs by 2 to 4 percent, and reduce natural gas consumption by 2 percent.

These savings appear even more impressive when one considers the much higher costs of buying DRI or scrap from outside sources or constructing a second reformer unit, and factors in the reduced reformer maintenance costs due to lower operating temperatures.

Pilot tests were conducted at Georgetown Steel's DRI plant and confirmed OFBR's acceptable performance. Based on the promising results of these tests, Spectrum has filed for U.S. and international patents. Georgetown Steel has requested and received permission from the S.C. Department of Health and Environmental Control to install the system. Two full-scale OFBR units have been built and shipped to the plant, where they await installation.

For more information on this exciting new technology, contact Donald Fournier, Jr., of Spectrum Design & Consulting International at (601) 544-7030.

Continued from Page 4

This is an ideal recycling effort; materials that would normally go to a landfill are turned back into rich potting soil to grow plants, flowers and food.

Grocery stores, restaurants and other food-service providers generate even more food waste than households do. This pilot project is an example of what could be done by targeting commercial establishments such as restaurants, cafeterias and grocery stores.

The vermicompost sells for between \$5.25 and \$7.50 for a 5-pound bag, which some gardeners say is a "little pricey." But the compost is so rich that it can be diluted with water to be used as a liquid fertilizer or as a dressing on the topsoil just around the plant. While making a product that gardeners can use is a result of the project, the ultimate aim is to reduce the amount of solid waste dumped in landfills.

The Civic Center Café in Greenwood and the Friendship House in Laurens County are the most recent partners in the project. Two other composting sites are being set up at the University of South Carolina in Columbia and the Medical University of South Carolina in Charleston.

For more information on vermicomposting, call Joan Williams of the S.C. Department of Health and Environmental Control at (803) 896-4234.



Get in the Loop for America Recycles Day

South Carolina spends over \$8 billion annually on energy costs, much of which is the direct result of wasteful energy practices. Through conservation and better energy efficiency, wasted money can be saved and put back into our state's economy.

Since South Carolina has no energy resources to speak of, we must make good use of the 98 percent we import. Recycling is a big first step.

Why should we recycle? Because recycling saves energy - it usually takes less energy to make recycled products. For example, it takes 95 percent less energy to produce recycled aluminum than new aluminum from bauxite ore. Want to bring recycling savings closer to home? Participate in **America Recycles Day** on November 15.

The 1999 **America Recycles Day** theme, "For Our Children's Future...Buy Recycled Today," is designed to take recycling to the next level in this country. By purchasing recycled-content products, we are building markets for finished products made from the recyclable steel, aluminum, glass, paper, and plastic materials we place at the curb or in drop-off facilities.

On November 15, join your neighbors in South Carolina's **America Recycles Day** events and help our nation continue to realize recycling's environmental and economic benefits. As an added incentive, complete the **America Recycles Day Challenge Card** below and mail it in by November 19 for a chance to win one of the following prizes:

- The American Green Dream House, an 1,850 square foot, three-bedroom home built primarily with recycled materials on the winner's lot
- 25 remanufactured computers for donation to a school of the winner's choice, and a computer for the winner's own use
- Airfare and a trip for four to the Walt Disney World
- A one-year lease on a Ford Mustang, courtesy of Ben Satcher Ford in Lexington
- A two-night stay at the Cypress Inn in Conway
- And many more prizes for winners of all ages

Thanks to you, recycling is working. Let's take it a step further and buy recycled!

Climate Change and South Carolina

The earth's climate is predicted to change as human activities alter the chemical composition of the atmosphere through the buildup of greenhouse gases - primarily carbon dioxide, methane, and nitrous oxide. The heat-trapping property of these gases is undisputed. Although uncertainty exists about exactly how the earth's climate responds to these gases, global temperatures are in fact rising. These are the findings of the new report *Climate Change and South Carolina* from the Environmental Protection Agency.

Since the beginning of the industrial revolution, human activities have been adding measurably to natural background levels of greenhouse gases. The burning of fossil fuels - coal, oil, and natural gas - for energy is the primary source of emissions. Energy burned to run cars and trucks, heat homes and businesses, and power factories is responsible for about 80 percent of society's carbon dioxide emissions, approximately 25 percent of U.S. methane emissions, and about 20 percent of global nitrous oxide emissions. Increased agriculture, deforestation, landfill use, industrial production, and mining also contribute global greenhouse gases.

Continued on Page 7

I accept the challenge to buy recycled, recycle more or support a recycling event. Please enter me in the drawings to be held in Columbia, S.C. and Washington, D.C.

REGISTER TO WIN A ONE-YEAR LEASE ON A FORD MUSTANG COURTESY OF BEN SATCHER FORD OF LEXINGTON.

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

County: _____

Daytime Phone Number: _____

Please check here if you are under the age of 18.

Notes: On entry per person. No purchase necessary. Your name and address will be kept confidential

Send entries to: SC DHEC, Office of Solid Waste Reduction & Recycling, 2600 Bull Street, Columbia, SC 29201-1708

Over the last century, the average temperature in Columbia, South Carolina, has risen 1.3°F, and precipitation has increased by up to 20 percent in many parts of the state. Over the next century, climate in South Carolina may change even more. According to projections made by the Intergovernmental Panel on Climate Change, by 2100 temperatures in South Carolina could rise by 3°F in all seasons.

There are 2,876 miles of tidally influenced shoreline in South Carolina. Historical rates of accretion and erosion vary considerably across the state's coastline. Erosion has been most severe on a 20-mile section of the Grand Strand and parts of the Santee delta, while Kiawah Island is accreting at a rate of 9 feet per year. Erosion is likely to increase under a 1-3 foot rise in sea level. The potential for increased storm damage as a result of sea level rise is particularly high along the densely developed Grand Strand.

At Charleston, sea level is already rising by 9 inches per century. The cumulative cost of sand replenishment to protect the coast from a 20-inch sea level rise by 2100 is estimated at \$1.2 - \$9.4 billion.

Today, action is being taken at every level to reduce, avoid, and better understand the risks associated with climate change. The South Carolina Energy Office is working with the Climate Change Action Plan (CCAP) to reduce the effects of global warming in South Carolina. The S.C. Energy Office is doing its part by offering a variety of services designed to reduce emissions caused by energy use in the industrial, commercial, residential, transportation, and utility sectors.

For the complete report on *Climate Change and South Carolina*, visit the EPA website at <http://www.epa.gov/globalwarming/impacts/stateimp/southcarolina/index.html>.

Power Art Competition

October, 1999

South Carolina students in grades 4-8 are invited to illustrate the theme: "Energy Millennium - Honor the Past, Image the Future." Deadline for entry is November 1, 1999. For more information, contact Renee Daggerhart of the S.C. Energy Office at (803) 737-8030, or 1-800-851-8899 statewide.

Strategic Growth Conference

Pawley's Island, October 13 - 15, 1999

This symposium brings leaders and decision-makers in environmental and economic policy together to assess current efforts, find common ground and set clear goals for the future. Registration fee is \$75. Deadline for registration is October 8. For more information, see:

<http://www.santeecooper.com/symposium/>

Building Learning Environments Workshop

October 15, 1999

This workshop is aimed at educators, school maintenance officials and their staffs and is designed to help them better understand the impact their schools' indoor air quality and lighting conditions have on student learning and teacher performance. Areas covered in this one-day workshop include the EPA Tools for Schools and Energy Star Green Lights Program. For more information, contact Jim Herritage at (843) 881-3000 or jmh@herritage.com.

Building Energy Code Training Workshops

Clemson, October 19 - 20, 1999

Columbia, October 26 - 27, 1999

The South Carolina Energy Office has received funding to continue the training on South Carolina's building energy code requirements. Training will be offered for building inspectors and officials, architects, engineers, designers, builders and contractors. The registration fee is \$100, or \$50 if only attending one day. For further information, contact Jean-Paul Gouffray of the S.C. Energy Office at (803) 737-8030, or 1-800-851-8899 statewide.

Facilities Managers Conference

Myrtle Beach, November 13 - 16, 1999

A joint meeting of ASCEM (Association of South Carolina Energy Managers) and SCAPPA (South Carolina Association of Physical Plant Administrators), to be held at the Ocean Dunes/Sand Dunes Hotel in Myrtle Beach, SC. Exciting speakers, an experience exchange, and a golf tournament await. Make your nominations now for Energy Manager and Energy Project of the Year. For more information, contact Howard Coogler of the S.C. Energy Office at (803) 737-8030, or 1-800-851-8899 statewide. To learn more, see page 3.

America Recycles Day

November 15, 1999

Join your neighbors in South Carolina's **America Recycles Day** events and help our nation continue to realize recycling's environmental and economic benefits. As an added incentive, complete an **America Recycles Day Challenge Card** and mail it in by November 19 for a chance to win some fantastic prizes. See page 6 for details.

Landfill Methane Outreach Program Workshop

Columbia, December 2, 1999

This workshop will educate landfill operators and industry professionals about using landfill gas as an energy source. For more information, contact Kate Billing of the S.C. Energy Office at (803) 737-8030 or 1-800-851-8899.

South Carolina S.A.V.E.\$ Participants

South Carolina S.A.V.E.\$ (Schools and Agencies Verify Energy Dollars) was initiated in 1994 to assist schools and agencies in monitoring their energy costs. S.A.V.E.\$ participants receive FASER (Fast Accounting Software for Energy Reporting) energy accounting software and training to track, analyze and print reports on energy and utilities. There are currently two versions of FASER software used in the state: FASER9 for DOS and FASER2000 for Windows.

Participants of the South Carolina S.A.V.E.\$ program are encouraged to submit the FY99 Energy Consumption Data by September 30, 1999 by downloading data from FASER. The S.C. Energy Office encourages state agencies and school districts that use the FASER energy accounting software to submit their FY99 Energy consumption data on a floppy disk or by e-mail. This will save time for both your staff and our staff and provide more complete and accurate information.

Please use the following information for your version of the software

FASER9: First run the monthly and annual processors. Then go to the file menu, select "Make Data Disk" and follow the instructions to download data. FASER will automatically compress and copy the necessary files onto a floppy disk, which can be submitted to the S.C. Energy Office.

This is the last year (FY99) that FASER9 can be submitted to the S.C. Energy Office. Since FASER 9 is not programmed to handle the turn of the century, it will not function after December 31, 1999. FASER2000 is still available from the S.C. Energy Office for purchase.

FASER2000 Users: If you have your FY99 data keyed into FASER2000, PKZip or WinZip the data directory. The zipped files can then be placed on a disk and mailed to the S.C. Energy Office, attention Julia Parris, or e-mailed to Jparris@drd.state.sc.us.

Include in your e-mail or correspondence what Release of FASER (for example FASER 3.0 or FASER 5.0) your organization is using.

If you use a different energy accounting software program, you are encouraged to submit the requested information from current program reports.

Please submit all FASER disks to Julia Parris, S.C. Energy Office, 1201 Main Street, Columbia, SC 29201. If you have any questions regarding the above information, contact Julia Parris at 1-800-851-8899 or (803) 737-8030.

Director Mitch Perkins
Editors René Daggerhart
Meg Smith

South Carolina Energy Office
Division of Regional Development
1201 Main Street, Suite 820
Columbia, South Carolina 29201

State Budget and Control Board

Jim Hodges, Chairman
Governor

Grady L. Patterson
State Treasurer

James A. Lander
Comptroller General

John Drummond
Chairman, Senate Finance Committee

Robert W. Harrell, Jr.
Chairman, House Ways and Means
Committee

Rick Kelly
Executive Director

