

## **Below-The-Line Funding Requests For FY 2004-2005**

Provided below and on the following pages are brief descriptions of the below-the-line requests that were submitted for consideration. The projects are grouped by institution.

*Note that projects designated with \*\* are items that receive recurring appropriations, for which no increase was requested. Therefore no description is provided for these projects and no action is necessary.*

### **Citadel**

*Continuation of Assimilation of Women \*\**

### **Clemson University**

*Center for Advanced Engineering Fibers and Films - \$185,251*

The Center was established in 1998 to provide an integrated research and education environment for the study of fibers and films. Using predictive numerical and visual models, the Center, with support from NSF, the state, and industrial partners is developing advanced processes for new fibers and films that can be transferred to industry for commercialization. The requested increase is to support a portion of the salaries for two additional faculty members, three additional Graduate students and one technical support personnel. The increase would include the purchase of a biaxial film stretcher.

*Municipal Services – Fire and Emergency Medical Services - \$318,253*

Fire and Emergency Medical Services (EMS) and the Municipal Court are unique services maintained by Clemson University existing to support the University's academic mission, maintain a safe orderly environment and protect the campus community and resources. Fire and EMS also provide fire protection service to the City of Clemson on a reimbursement basis. Funding is sought to maintain these operations at levels commensurate with actual costs. The increase includes additional supplies, training, & travel for fire/EMS/Municipal Court. This increase is also requested to replace supplemental institutional funding of \$240,846.

*Center for Research in Wireless Communications – \$1,000,000*

The Center will focus on the convergence of wireless and wire line practice in voice and data transmission. Areas of research include modulation, coding, and receiver processing; propagation; antennas; interference; circuits and systems, and networking. The ten-year technology roadmap points to application in wireless monitoring of vital signs, of traffic on highways, of vehicle cooperation in congested traffic, and battlefield communications. This increase is to provide the operating expenses of the program and also will serve as matching funds for the grant.

*Emerging Scholars Program - \$250,000*

The program is designed to increase motivation for, participation, in, and graduation from college among underprivileged and underrepresented populations in South Carolina. The program seeks to accomplish these goals by developing the student's interest in college and then developing the student's critical success skills. Students will be followed from 9<sup>th</sup> grade through 12<sup>th</sup> grade, providing mentoring and support on a year-round basis. The funding will provide transportation; meals; lodging; and a portion of salaries for four faculty, ten support personnel, one Coordinator, and one Director.

*Call Me Mister - \$1,358,550*

This project seeks to recruit, train, certify, and secure employment for African-American males as elementary teachers in the public schools of South Carolina. The project will combine the special strengths and resources of a research-oriented public university with the individualized instructional programs offered by three small, private, historically black colleges in South Carolina: Benedict College, Claflin University, and Morris College. The funding will cover \$950,000 of tuition, \$180,000 MISTER Stipends, \$180,000 MISTER Books, \$45,000 supplies, and \$3,550 for miscellaneous supplies.

*South Carolina DNA Learning Center - \$486,150*

Provide education to K-12 students, teachers, and the general public regarding DNA technology and human genomic biology. The DNA Learning Center would be unique in that it would seamlessly integrate K-12 education with non-formal education and public outreach. This intergenerational and intercultural span of programming would focus on engaging the public in a balanced, scientifically sound education program focusing on the basic methods, potentials and challenges of modern genetics and biotechnology enhancements to our lives in areas such as medicine, agriculture and foods. Funding will provide \$234,100 for salaries for a half-time Director, a full-time instructor, and part-time faculty (1-3 months each) for instruction and materials development, and support personnel. The remainder will be for supplies, travel, and participant support.

*Enhanced response to Campus "Homeland" Emergencies - \$326,550*

Provide personnel and equipment for preparedness and enhanced response to campus emergencies – natural and weapons of mass destruction (WMD). Preparedness and response to extraordinary incidents of natural and terrorists/WMD origin is unique as it is beyond the normal mission and scope of campus emergency services. The additional requirements cannot replace the ongoing needs of everyday emergencies that occur. The State response plan calls for an enhanced local capability given Clemson's remote location from existing state resources, proximity to Oconee Nuclear Station, and high profile – large venue athletic events. The funding will provide \$45,000 for an Assistant to Emergency Preparedness Director. The remainder will go to equipment (Reverse 911 system, EOC communications, Protective and Detection equipment, ambulance Remount/Refurbishment, etc.).

*Center for Safety Research and Education – \$980,000*

The Center will develop, demonstrate, and evaluate healthy lifestyles education initiatives; conduct action research; and collect, analyze and disseminate research to improve the safety and health of our citizens relative to the six safety and health risk behaviors which cause the most serious problems that afflict the United States. These currently include: 1) unintentional and intentional injuries, 2) alcohol and drug use, 3) sexual behaviors, 4) tobacco use, 5) dietary patterns, and 6) physical inactivity. Funding will provide \$400,000 for eight faculty members, \$200,000 for six other/support personnel, \$200,000 for equipment (simulator), and \$180,000 for supplies, rent, travel, etc.

*Center for Optical Materials Science and Engineering Technologies (COMSET) - \$1,000,000*

COMSET at Clemson University has become a national focal point for optical fibers and related material technologies. COMSET's research funding for 2002 exceeded \$5,700,000 representing over 5% of Clemson's research activity. COMSET is forming an extended regional network of partners representing regional industry, economic development organizations, and technical schools to help transform the economic mindset in South Carolina from traditional low wage manufacturing to a more entrepreneurial culture. The result will be the aggressive development of technology-based new ventures, improved competitiveness of existing firms, and wealth creation in the region. The funds requested will be used to develop synergistic programs to complement COMSET's Partnerships for Innovative grant (National Science Foundation) and pending Science and Technology Center (NSF) and MURI (Air Force) proposals. More specifically, funds will go to build infrastructure through unique pieces of instrumentation, faculty and staff support for out-reach activities (K-12 and technical college advising on advanced materials and optics), and faculty mentoring entrepreneurship and business development (Spiro Faculty Fellows program). The

requested funding will provide \$458,000 for a portion of the salaries and related fringe benefits for eight employees (faculty, support, and students), \$400,000 for equipment (optical fiber characterization & Chemical characterization), \$142,189 for supplies, etc.

Note: The Finance and Facilities Committee recommends favorably for this project contingent upon the Center successfully completing the new program approval review process and approval by the Commission.

## **Coastal Carolina University**

*Coastal Carolina University: Establishing Quality Standards: SABPAC Program Approval for the Baccalaureate Health Promotion Program at Coastal Carolina University - \$103,965*

SABPAC Program Approval is a voluntary credential for undergraduate professional programs in health promotion and education which is awarded by the joint committee of the Society for Public Health Education (SOPHE) and the American Association for Health Education (AHE). Faculty members in the Bachelor of Science Degree Program in Health Promotion at Coastal Carolina University are requesting financial assistance to establish the quality standards which are necessary for achieving SABPAC approval.

## **College of Charleston**

*Governor's School - \$142,933*

The General Assembly established the Governor's School in 1976 to provide an intensive college-level program of study whose main goal was to assist academically talented students to realize their intellectual and creative potential. Since 1976, over 6,000 South Carolina high school students have been thrilled, inspired, and motivated by their Governor's School experiences. The School offers educational excellence, academic enrichment, and a shared joy of learning. The School's instructors are college faculty members representing universities such as Furman, MUSC, Winthrop, USC, Clemson, College of Charleston, Wake Forest, and many more. The additional funding is to provide other operating funds paid for by institutional funds.

*Avery Research Center - \$189,628*

The mission of the Avery Research Center for African American History and Culture is to collect, preserve, and document the history and culture of African Americans in Charleston and the South Carolina Lowcountry. The manuscripts, documents, and resources collected by the Center serve as the primary source materials for the writing of African American history. The Center provides scholars, researchers and students primary sources, documents, and manuscripts to document and write accurately the

history of African Americans in South Carolina and elsewhere. The requested increase is to cover full funding of the operations and to replace supplemental funding provided by institutional funds.

*Economic Partnership Initiatives - \$345,000*

This project addresses the role that the School of Business and Economics can play in assisting the economic needs of the port industry and the hospitality and tourism industry, which is a key to the State's economy. With sufficient funding the School of Business and Economics would implement the following four initiatives:

1. Coordination of Internships within the Business School
2. Charleston Regional Business Information and Research program
3. International Travel Study Program
4. Summer Research Grants and Professional Development

The funding request is to provide \$50,000 for one faculty member, \$20,000 for one other personnel, and \$275,000 for surveys, polls, newsletters, faculty internship grants, professional development, and international travel-study assistance.

*Lowcountry Graduate Center - \$435,000*

In March 2001, the College of Charleston, The Citadel, and the Medical University of South Carolina agreed to form the Lowcountry Graduate Center as a cooperative venture designed to enhance graduate educational opportunities for the citizens of the Lowcountry. This was the direct result of urgings from the Charleston legislative delegation and the local business community who all agreed that the lack of a full range of graduate opportunities in the Lowcountry was a detriment to economic development. The funding is requested to provide \$75,000 for half-time Director and a half-time Administrative Assistant; \$90,000 for rental expenses on 1500 square feet of office space (include outfitting costs); \$200,000 to support institutions adding new programs (faculty time, travel, etc.); \$70,000 for operating expenses and marketing of new programs.

Note: The Finance and Facilities Committee recommends favorably for this project contingent upon the Lowcountry Graduate Center submitting a comprehensive operating plan, including bylaws and a detailed budget, for review and approval by the Commission.

## **Francis Marion University**

*Omega Project \*\**

*Minority Business Assistance in the Pee Dee Area - \$25,000*

Activities of the Francis Marion University Small Business Initiative in 2002-2003 showed the need for School of Business assistance specifically dedicated to minority-owned small businesses. The service offered by Francis Marion University School of Business faculty and students would include business planning, financial analysis, location analysis, customer satisfaction assessment, and business feasibility studies. The funding request is to provide the costs of a portion of salaries for two faculty members (\$10,000), and \$15,000 for advertising/travel/support services.

*Francis Marion University: Rogers Library System for Resources and Services - \$100,000*

The James A. Rogers Library is the most significant library in northeastern South Carolina and provides services not only to Francis Marion University, but also to Florence Darlington Technical College, the Florence County Library, and other institutions and a wide range of users in the Pee Dee region. In order to maintain and improve the connectivity to these external users, remain abreast of changes in information technology, and to improve the efficiency and effectiveness of library operations, it is necessary for the Rogers Library to move to the next generation of automated library management systems. The requested funds are to purchase and implement this next generation of operating software.

**Lander University**

*Academic Initiative \*\**

**South Carolina State University**

*Teaching Training & Development \*\**

*Business School Accreditation Support - \$500,000*

This program is uniquely designed to provide quality management education and leadership development for students from rural and disadvantaged backgrounds. Requested funding will enable the Business School to provide educational programs to put these students on the same competitive footing as students from schools with more resources. In addition, this funding is in keeping with the state's and the school's strategic goals for improvement in education to foster economic development in our state. The requested increase is to provide the costs for student recruitment and retention activities, and student leadership & professional development.

*University Transportation Center - \$1,000,000*

South Carolina State University was named in Transportation Equity Act-21 as the only University Transportation Center in South Carolina. The University Transportation Center programs increase the number and quality of research, training, education, and Transfer Technology Transfer programs in South Carolina, thereby improving the quality of life for South Carolina citizens. The requested funding increase is to provide the required match of the federal transportation grant. The federal grant doubled in 2003-2004.

**University of South Carolina-Columbia**

*Small Business Development Center (SBDC) USC Columbia Campus \*\**

*African-American Professors Program \*\**

*Institute for Public Service and Policy Research - \$106,024*

The Institute addresses current and emerging issues relating to matters of public policy, governance, and leadership through research, educational activities, publications and direct assistance programs. These funds are used for specific activities of the Institute related to civic education, governmental research and service, academic internships, and public policy research on health care and environmental issues. The requested increase is to restore the programs funding to the 2002-2003 level.

*Fuel Cell Research - \$550,000*

The Fuel Cell Research Program provides an opportunity for South Carolina to focus research to commercialization of an environmentally friendly technology that encourages independence from foreign oil. More importantly, fuel cells can have a significant impact on the United States economy and the economy of South Carolina. This request provides an opportunity for the state to directly participate in what promises to be one of the greatest technological developments in the 21<sup>st</sup> Century by partnering with the National Science Foundation, USC, and industrial sponsors to provide the required support needed to ensure the long-term success of this research. The University will use this modest amount of State funding as leverage to gain additional investments from other partners. The funding will be used to provide the following:

New Faculty Support	\$150,000
Graduate Student Assts.	100,000
Specialized Equipment	200,000
Operations	100,000

*Baruch Institute National Estuarine Research Coordinating Site - \$131,113*

This program provides a rich resource for community learning that augments the fundamental USC research and education activities, while integrating with federal activities within National Oceanic and Atmospheric Administration (NOAA). It constitutes a major research, information, education, and management resource for the State of South Carolina, with relevance to coastal resources throughout the nation. The purpose of this request is to provide funding necessary for continued operation of a major coastal environmental program – the North Inlet – Wynah Bay (NI-WB) National Estuarine Research Reserve (NERR), which was initiated by the national Estuarine Research Reserve System (NERRS) of the NOAA. This program is administered by Belle W. Baruch Institute for Marine Biology and Coastal Research of the University of South Carolina and is headquartered near Georgetown. Funding is required to support key personnel and essential services. This funding will provide for the hiring of eight personnel, supplies hardware and contractual services.

*Law School Library Books and Publications - \$55,926*

As the State's only major legal research facility available to citizens of South Carolina, USC strives to maintain the highest quality legal collection possible. Without adequate funds, the quality of the collection suffers and the citizens of the state are inadequately served as a result. The requested funding increase will be used to acquire additional needed publications for the law library.

*SC Manufacturing Extension Partnership (SCMEP) - \$475,376*

SCMEP is a private non-profit corporation chartered through the federal Manufacturing Extension Partnership program of the National Institute of Standards and Technology (NIST) and along with USC, Clemson University, and the SC Technical Colleges provide comprehensive solutions to South Carolina manufacturers in an effort to make these companies more globally competitive.

*Materials Research Science and Engineering Center (Nano-Center) - \$1,000,000*

The USC Nano-Center was created in June 2001 to promote interdisciplinary research, education, and technology transfer activities in the areas of materials/Nanoscience in the State of South Carolina. The NanoCenter is working with South Carolina industries to stimulate and facilitate knowledge and information transfer. In order to strengthen the links between university-based research and the industrial application of nanotechnology research, the NanoCenter is actively promoting cooperation between university researchers and industrial partners, increasing the number and quality of its relationships with South /Carolina Industries, and facilitating the transfer of nanoscale research and technology advancements to industrial sites. The requested funding is to replace the non-recurring funding level received in prior years.

*Palmetto Poison Center - \$353,397*

This Center serves as the State Poison Control Center for South Carolina. Information is provided on what to do for exposures to toxic substances, poison prevention education, and prescription drugs. The requested increase will increase the number of other personnel from one and one-half to six; the support personnel from zero to one and one-half; and the Medical Director from zero to one.

**University of South Carolina – Beaufort**

*Penn Center - \$19,760*

The Early Childhood At Risk Family Initiative’s main goal is to intervene for children who are at risk of school failure by providing them with opportunities to prepare them for public school. The Initiative provides early intervention for these children on an individualized basis and opportunities for parents to develop parenting skills that promote cognitive, emotional, social, psychological and moral development of preschool children. The requested increase is to cover supplies, advertising, and honoraria.

**University of South Carolina – Salkehatchie**

*Salkehatchie Leadership Center - \$49,540*

The Salkehatchie Leadership Center was established in 1998 and funded by the South Carolina Legislature to address community and regional development needs in Allendale, Bamberg, Barnwell, Colleton, and Hampton counties. The Center serves as a catalyst to support important initiatives in human resource development, community and economic development. The increase is requested to maintain the staff to operate the Entrepreneurial Development programs for the Leadership Center and expended services of the Center. These funds would replace start-up funds provided by a non-renewable one-year grant funded by USDA. A Business/Industry Liaison will be hired, as well as an administrative support staff. Training facilitators for each program will also be provided.

## **University of South Carolina – Spartanburg**

### *Master of Education – Visual Impairment - \$297,976*

A Master of Education in Special Education – Visual Impairment is a new degree program whose goal is to prepare teachers for South Carolina children who have blindness or visual impairment. The program meets the standards for national accreditation in visual impairment (VI) education and the state requirements for program approval for a South Carolina teaching credential in visual impairment. This program will seek accreditation from the Association for the Education and Rehabilitation of the Blind and Visually Impaired (AERBVI). The funding will provide for one full-time (Faculty) and two half-time positions (Administrator, and Clerical Support). It will also provide for contractual services, library materials, travel, faculty development, and furnishings.

## **Medical University of South Carolina**

### *College of Nursing – Francis Marion University Satellite Program - \$136,250*

Baccalaureate nursing program to provide bachelor-prepared nurses for the Pee Dee region of South Carolina. The funding increase will allow for a doctorally prepared program director and seven full-time nine-month (0.75) faculty members who are expected to teach curriculum and advise students. This represents one FTE increase to support the proposed program growth and expansion. There will also be an increase in the number of clinical faculty to supervise an additional cohort of students. A slight increase in support personnel and supplies and materials is also included in the requested increase.

### *Diabetes Center of Excellence - \$91,040*

The Diabetes Initiative of South Carolina is a legislatively mandated statewide program of outreach, professional education, and surveillance. The Diabetes Center at MUSC administers an extensive collaborative network, which addresses the major health problem of diabetes and its complications in South Carolina. The requested increase will provide for further coverage of program employees salaries.

### *Maxillofacial Prosthodontic - \$212,813*

The Maxillofacial Prosthodontic Clinic is the only clinic of its kind in South Carolina. Dr. Davis is the only maxillofacial prosthodontist in the state and is responsible for the rehabilitation of all head and neck cancer patients, head and neck trauma patients and patients with congenital disorders of the head and neck region. Most of the head and neck cancer patients have limited financial resources; hence the majority of the head and neck cancer patient population are indigent. The purpose of this proposal is to seek the hiring of a second maxillofacial prosthodontist and a dental assistant.

*Supportive Continuum of Care - \$290,856*

This project is designed to pilot mechanisms that improve care of the dying in South Carolina. Specific aims include the following: (1) Reduce patient distress, (2) Address common unmet psychosocial issues (depression, anxiety, adjustment disorders), (3) Help the patient make choices and enable ethical decision making, (4) Professional education (train physicians in neglected areas 1-3- above), (5) Research (pain, fatigue, healthcare research, cost, utility), and (6) Advocacy for public education and policy in care of dying. The funding increase request will provide portions of nine faculty and other personnel salaries and related fringe benefits along with a small amount for travel.

*Hypertension Initiative - \$392,840*

The Hypertension Initiative enrolls primary care providers from across S.C. in an electronic database to collect information on treatment patterns and patient outcomes. The database generates regular feedback reports for providers about their own practice habits and patient outcomes, and guides development of physician education programs and tailored treatment guidelines to improve care in their patients with hypertension. The funding request will provide pay for salaries and related fringe benefits for one-half of a faculty member, six administrative personnel and two support personnel.

**Area Health Education Consortium (A.H.E.C.)**

*Rural Physician Program \*\**

*Palmetto Initiatives \*\**

*Nursing Recruitment Center \*\**

*Infrastructure Development for Health Professions Programs Community-Based Student Rotations – \$337,200*

This project requests funding to provide staff support and infrastructure in SC AHEC regional centers to facilitate community-based health professions student off-campus rotations in rural and underserved areas of South Carolina. This is a collaborative effort between SC AHEC and various health professions training programs from MUSC, USC, and Clemson. The request is to fund personnel salaries and related fringes, housing, and travel, at four sites.

**\*\* Indicates that the project is a recurring item with no increase requested**

## **Below-The-Line Funding Requests Not Approved For FY 2004-2005**

**Below is a request for capital items. Capital items should not be funded through the below-the-line funding process.**

*The Citadel: Asbestos Removal Project - \$5,000,000*

Several buildings on campus need asbestos removal. These include Law Barracks, Steven Barracks, Daniel Library, Infirmary, Laundry, Campus Housing and the Faculty House.

**Below is a request for electronic library resource capabilities. CHE is requesting approximately \$5 million for the creation of the proposed statewide virtual library. This project's funding needs will be addressed through the funding of the virtual library.**

*Francis Marion University: James A. Rogers Library Electronic Resource Initiative - \$75,000*

Rogers Library must migrate to a second generation Integrated Library system (ILS) which provides acquisitions, cataloging, circulation, and serial modules on a windows-based platform.

**The following projects are requests for technology funds. CHE staff expects the teaching universities and the 2-year colleges will continue to receive special technology funding from the Lottery proceeds. Therefore this project may be funded from that source.**

*Francis Marion University: Student Enrollment Management Initiative - \$40,000*

This is a request for additional resource materials for use in facilitating the University's integration of admissions offerings with our web-based services.

**The following requests are to assist in funding Centers/Institutes that have not been approved through the Commission on Higher Education.**

*University of South Carolina – Columbia: Center for Water Research and Policy - \$90,717*

Funding is requested to support the operation of the Center in its primary mission of providing technically sound and economically viable solutions to water issues important to the environmental and economic health of South Carolina.

*University of South Carolina – Columbia: Center for Southern African-American Music - \$88,500*

The rich African-American musical history of the state is in urgent need of being preserved for future generations.

*University of South Carolina – Columbia: Center for Engineering & Computing Education - \$250,000*

This proposal requests funding for the Center to enhance pre-college education across the entire State of South Carolina.

*Medical University of South Carolina: Institute for Community and Professional Education in End-of-Life Care - \$99,518*

This project represents an Institute without walls serving as a unique statewide resource center for palliative and end-of-life care. Educational materials would meet the needs of the community as well as health care professionals.

**The following request is to provide funding that is considered in the MRR and should be provided through education and general funds.**

*State Board for Technical and Comprehensive Education: Financial Aid Personnel - \$1,050,000*

Section 59-150-360 of the South Carolina Code of Laws, as amended, requires each potential recipient of lottery tuition assistance to complete a Free Application for Federal Student Aid (FAFSA), which has created a significant increase in the number of students who traditionally apply for federal aid. An increase in personnel (30 FTEs) is necessary to alleviate the burden on the technical colleges' financial aid offices.