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Research and University Graduate School Report; Office of Sponsored Research Administration - Fiscal Year 2007-2008

Office of Sponsored Research and Administration, Florida International University

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THE FLORIDA INTERNATIONAL UNIVERSITY BOARD OF TRUSTEES FINANCE AND AUDIT COMMITTEE

RESEARCH AND UNIVERSITY GRADUATE SCHOOL REPORT OFFICE SPONSORED RESEARCH ADMINISTRATION—FISCAL YEAR 2007-2008 SEPTEMBER 11-12, 2008

Executive Summary

1. Including appropriate University contributions to research expenditures in the annual NSF Research Expenditure report allowed FIU to reach the important \$100 million mark this last year. This level of reported expenditures was crucial for the University because it placed FIU in the top tier of Florida public universities. It also allowed the University to qualify for new tuition levels that will bring badly needed additional revenue to the University.
2. The State funded a \$10 million Center of Excellence proposal submitted by the International Hurricane Center (Stephen Leatherman, Principal Investigator).
3. Grant awards during fiscal year 2007-2008 were down compared to last fiscal year. While there are several mitigating factors—timing, no cost extensions, and changes in Federal programs, among others—the fact is that this is an important issue for the future, and the University is responding to meet this challenge.
4. The effective facilities and administrative (F&A) indirect costs rate was successfully renegotiated. In July 2008, it increased from 40% to 42%; it will increase to 44% (July 2009), and to 45% in July 2010. In December 2010, we will negotiate the F&A rate with a goal of reaching 50%.
5. Continuing progress has been made on more efficient utilization of research space, the quality of service provided to researchers, and the regular assessment of centers and institutes.
6. Several important proposals were submitted, including a T32 institutional training grant, and initiatives begun to enhance support for graduate students. In addition, several crucial new partnerships, including the Industry/University Cooperative Research Center, have been undertaken that will enhance the University's accomplishments and resources in the area of research and creative activity.

I. Awards and Expenditures

Grant Applications: The amount of funding requested through applications during FY 2008 (July 2007 to June 30, 2008) was \$263.8M—[Table 1](#). This constituted an increase of 10% from FY 2007 (\$240.4M). However, since FY 2006 there has been a decline in the number of applications, as well as the amount of funding requested. Specifically, during FY 2006 the total funding requested through applications was \$338.7M. Thus, there has been a 22% decline in requested compared to FY 2006. It is likely that such declines in applications submitted will eventually be reflected in decreases in awards two to three years later, particularly at a time of decreased budgets by funding agencies at both the Federal and State levels.

Between FY 2006 and FY 2008, units with reductions in requested funding have included Applied Research Center (ARC), the College of Arts & Sciences, the Southeast Environmental Research Center (SERC), and the College of Nursing and Health Sciences. In contrast, the

College of Engineering and Computing reported an increase in requested funding over the same period. In terms of the quantity of applications submitted, between FY 2006 and FY 2008, declines were reported for Arts & Sciences and SERC, with increases reported for ARC and the College of Engineering and Computing.

Florida Centers of Excellence (COE) Competition: During FY 2008, six (6) teams of FIU researchers prepared proposals for the Florida Centers of Excellence program. Following an internal competition process, OSRA selected three proposals for submission to the program. There were also several proposals submitted by other universities in which FIU was a collaborating institution. The three proposals led by FIU were:

- a) The FIU COE for Hurricane Damage Mitigation and Product Development submitted by the International Hurricane Center (PI: Stephen Leatherman). This proposal requested \$10 M over three years, and was funded starting July 1, 2008. This award is not counted in the awards discussed above.
- b) The Florida Center for Advanced Diagnostic Devices (FCADD), submitted by FIU's College of Medicine and College of Engineering (PI: Joe Leigh Simpson).
- c) The Florida COE of Information Technologies for Disaster Resilient Business Communities, submitted by FIU's School of Computer Science (PI: Yi Deng).

The proposal from FIU's International Hurricane Center received the highest ranking in the State-sponsored competition, receiving scores of 8.3 of 10.0 for the scientific rating and 8.7 of 10.0 for the economic rating. FIU's second proposal, from the College of Medicine (i.e., FCADD), was also highly regarded, and it was ranked 5th for scientific merit, and 17th for economic impact. In addition, FIU was a collaborating institution on a proposal from the H. Lee Moffitt Cancer Center, which received the second highest scientific rating in the overall competition. Only the Hurricane Center was funded, however because of the high ranking of the other submissions, the University expects to be very competitive if there is a 2008-2009 Center of Excellence competition.

Grant Awards: There has been an overall trend of declines in grant awards dating back to at least FY 2006. For FY 2006, FIU received \$91.78M in awards, followed in FY 2007 by \$90.77M, and \$73.16M during FY 2008. The decreases in awards between FY 2007 and 2008 was 19%—[Table 2](#). Some of the key units reporting decreases in funding were ARC, the College of Nursing and Health Sciences, the Stempel School of Public Health, and the College of Arts & Sciences. The trend of decreased grant awards reflects short-term decreases in grant applications since FY 2006. For example, declines in grant awards from FY 2006 to FY 2008 were -18% for ARC, -19% for the College of Arts & Sciences, -11% for the College of Engineering and Computing and -59% for the College of Nursing and Health Sciences. Fluctuations in levels of research awards can be cyclical, and the magnitude of the decrease from FY 2007 to FY 2008 is not unique. For example, between FY 2003 and FY 2004, there was a comparable decline of 18%.

There are several key points to consider regarding the interpretation of these recent decreases in grant funding.

- a) One contributor to the decrease in grant awards from FY 2007 to FY 2008 was the large number of grants that received no-cost extensions from FY 2007 to FY 2008. No-cost extensions consist of funding from one year of a grant being extended for additional years

beyond the original timeframe of the grant. This is possible when the project spends less money than is budgeted for a specific period, followed by a request that the funding agency extend the duration of the project without any additional funds. From FY 2007 to FY 2008, no-cost extensions on FIU research projects totaled \$10.1M, originating from the College of Arts & Sciences, the College of Engineering and Computing, and SERC ([Table 3](#)). Normally, scholars would submit new proposals for funding if they were not being funded by no-cost extensions.

- b) There were several multiyear grants awards in FY 2007 that received the total multiyear funding at once during FY 2006. These awards totaled \$4.88M. This artificially increased funding for FY 2007.
- c) The Minority Biomedical Research Support (MBRS) program was at its funding peak in FY 2006, with total funding of approximately \$4M. However, funding decreased to approximately \$1M in FY 2007, and \$0 in FY 2008. These declines were due to changes that the Federal government made to this program. Changes in the funding mechanism transitioned from an “umbrella” that funded projects as a group, to a single grant funding format that requires grant applications to be submitted separately (with a limit of 25 applications funded or under review). The transition to the new format terminated all MBRS funding in FY 2007. Already during the new fiscal year, five (5) new MBRS grants have been funded for a total of \$1.3M, and an additional four (4) should be funded within the next 90 days, representing approximately another \$700,000 of new funding.
- d) We examined whether the decrease in awards during the past year was due to faculty with existing research funding leaving FIU and transferring their funded grants to other institutions. We found this factor to be only a minor influence. Since June 2006, twelve (12) faculty members with a history of funding left FIU. At the time of their departure, they transferred out a total of \$405,511.

Effective F&A Rate: The effective/average indirect costs rate for FIU in FY 2006 was 16.7%, and this increased to 19% during FY 2007. This year, we began to assess the effective F&A rate separately for off-campus and on-campus research projects. During FY 2008, our full on-campus rate was 40%, and the full off-campus rate was 25.5%. The effective rate for off-campus research grants in FY 2008 was 15%. The rate for on-campus grants was 20%, with an overall effective indirect rate of 18%. Experience suggests that a general rule-of-thumb for the appropriate average level of overhead return should be about one-half of the negotiated rate. Thus, if our negotiated rate were 40%, then an appropriate level would be greater than or equal to 20%. We note that the large number of projects with no-cost extensions had a "suppressing" effect on this year's effective F&A rate because such projects were not included in the F&A calculations for this year, and no-cost extensions are disproportionately full F&A, since they are more commonly approved by NIH; which carries full F&A.

NSF Report: The National Science Foundation Academic Research and Development Expenditures Survey compiles annual data on the research and development expenditures at the nation's universities. This report is used by the State of Florida, as well as by the Carnegie Foundation, as the criterion to measure research expenditures by universities. The NSF Report indicated that for FY 2007, research expenditures at FIU were \$108M. Despite the decrease in grant awards in FY 2008, FIU will again surpass the \$100M threshold. We also expect to surpass the \$100M threshold in FY 2009 with the funding of the Florida Center of Excellence award, as well as the expectation that several projects that were slated to be funded during FY 2008, will now be funded during FY 2009.

II. Accomplishments

Negotiated F&A Rate: We have completed successfully negotiations with the Federal government for a new Facilities and Administration or F&A rate. The process included evaluating all of the expenditures of the University for 2006, identifying costs that were related directly to the primary functions of the University such as Research, Instruction, Public Service, and Other Institutional Activities, as well as the costs that support the infrastructure of the University. Infrastructure (indirect) expenses such as facilities, controllers, purchasing, and other similar operational costs are apportioned in an equitable manner to the primary functions of the University. The rate approved by the Federal Division of Cost Allocation represents the administrative and facility costs of the University, which support the research endeavors of FIU. These expenses are recovered from both Federal and non-Federal sponsors via an overhead rate that is applied to the direct cost of sponsored research projects. The prior rate agreement was approved in May 2004 for base year 1999. The extended period between the last rate agreement and the current agreement presented a challenge to data collection, and more importantly, for attaining our goal of a 45% F&A rate since the Federal government tends to avoid large rate increases. We were successful in obtaining a rate that increases in a stepped fashion over the next three years (42% in July 2008, 44% in July 2009, and 45% in July 2010). In addition, we were able to establish December 2010 as the next date for generation of a cost proposal, which will be based on fiscal year 2010 activity.

Negotiated Fringe Benefit Rate: As part of the negotiations for the new F&A rate, we submitted a fringe benefit rate of 2%, which was approved. This is in addition to the actual cost, and it allows the University to recover from the external sponsors the fringe benefit costs for sabbatical leaves, workers compensation, unemployment, and terminal leaves that were borne by E&G and other funds in the past.

Assessment of Research Space: During the past two years, we have engaged in a complete assessment of research lab utilization throughout the University as well as in the development and implementation of a Research Space Allocation Matrix (RSAM). Assessment of research space began as part of the preparation of the report for negotiations on a new F&A rate. Development of the RSAM began with analyses of general practice in other universities, and included work with the Faculty Senate. A final version of the RSAM was adopted in January 2008, and we are in the final stages of implementation as we work to secure necessary research lab space for new hires in the College of Medicine and throughout the University. Beginning in August 2008, each College will receive the plan for research space re-allocation based on the application of the RSAM. This will be critical, as there is a need for research lab space for new hires coming to FIU this fall semester, and to prepare for new hires in the coming years. If colleges wish to occupy space beyond that allowed by the RSAM, they may, in special circumstances, do so by paying rent to the University. This rent will be reinvested by the University in the support of research.

Service Improvements: The Office of Research has engaged in efforts to improve services to the FIU research community. During the past two years, we have focused in streamlining the process of preparing both budgets and accounts for new grants and awards once there is funding notification. From November 2006 through May 2007, we “tracked” the average number of days it took to set up a new account once a grant or contract had been awarded. During November 2006, it took an average of 27 days to set up a new grant or contract account. This time was reduced to 10 working days by May 2007. After May 2007, we began tracking grants and

contracts separately. Currently, the average number of working days taken to set up a new accounts is 3.5 for grants and 6 for contracts. In addition, since August 2007, we have been initiating 90%-100% of grant accounts within 10 working days, and since November 2007, we have been initiating over 70% of contract accounts within 10 working days.

RUGS is still working on improvements in several key service areas. These include tracking improvements in the timing of closing out completed grants and contracts; developing a user-friendly budget page for researchers; implementing a fully electronic grant submission process throughout the University, and embedding Office of Research staff in Colleges in order to provide more direct support and guidance to researchers. Within the next year, upgrades in PantherSoft should allow significant enhancements in our ability to process research related transactions in the University.

Assessment of Centers and Institutes: During academic year 2007-2008, a baseline assessment was conducted of all FIU Centers and Institutes (C&I). The rationale for this broad-based assessment process was to determine the degree of fit between existing FIU C&I, and the newly revised FIU Policy on C&I. Critical factors considered in the review process, and subsequent continuation decisions included graduate student support and productivity; average per capita faculty scholarly productivity rates; revenue production; positive return on investment; demonstrated interdisciplinary activities; and congruence of the mission of the center or institute with FIU's strategic themes. Outcomes associated with the baseline evaluation process of FIU C&I were reduced to four categories. Specifically:

- Closure due to low critical mass of investigators
- Consolidation, collaboration, or relocation
- Phased withdrawal of state support over a two to three-year period
- Immediate E&G Budget Reductions of 21% to 25%

III. Ongoing Efforts

Efforts to Increase Sponsored Support for Graduate and Undergraduate Education: A critical element of research-intensive universities is the existence of high quality graduate and undergraduate students. Students contribute to the research ethos of the University through their own research and creative endeavors, and help to attract high quality faculty who are interested in working with outstanding students. In this area, we have been working on the establishment of a University Center for Excellence in Writing, which will focus on student training. Additionally, we have continued efforts to develop and submit competitive grant applications to support undergraduate and graduate students. Specifically, this year:

- a) In May 2008, a T32 application (Institutional Training Grant) was submitted to NIH. If awarded, this grant would support Ph.D. students (tuition and salary) during the final two years of their doctoral training to focus on health disparities in alcohol abuse research.
- b) A new application for the Research Initiative for Scientific Enhancement (RISE) was submitted to the National Institute of General Medical Sciences. The goal of this program is to stimulate interest among underrepresented minority students and faculty in continuing to a career in biomedical research and thereby increase the number of underrepresented minority scientists engaged in biomedical research. The RISE program received funding on July 28,

2008. Funding is for a total of 40 students, 17 graduate and 23 undergraduate, and it is for \$1M each year for a total of five years.

- c) During FY 2008, FIU also received funding (\$198,066) for the Minority Access to Research Careers (MARC), which provides research-training opportunities for students and faculty from minority groups who are underrepresented in biomedical research.

Partnerships: We embarked on developing partnerships designed to increase sponsored research. Initially, we have focused on partnering in the areas of health and engineering. Below is a brief description of two initial partnerships:

- 1) Spectrum/Miami Behavioral and Borinquen Health Center: We have begun collaboration with Spectrum and Borinquen Clinic in order to facilitate the work of our research teams in areas pertaining to health, and specifically substance abuse and HIV/AIDS. Currently, we have a large Center grant from the National Center on Health and Health Disparities (NCMHD) (De La Rosa, PI) which includes collaboration with Spectrum/Miami Behavioral. There also two NIH grant proposals currently under review, which include collaborations with Spectrum/Miami Behavioral. We are entering into an agreement with Borinquen Health Center to “house” a clinic for several of our HIV researchers. We will be working in the next few months to increase our links with both of these health agencies.
- 2) Industry/University Cooperative Research Center (I/UCRC): The School of Computing and Information Sciences recently received a NSF grant for an Industry/University Cooperative Research Center (I/UCRC). The Industry/University Cooperative Research Centers (I/UCRC) program develops long-term partnerships among industry, academe, and government. The centers are catalyzed by a small investment from the National Science Foundation (NSF), and are primarily supported by industry center members, with NSF taking a supporting role in their development and evolution. Each center is established to conduct research that is of interest to both the industry and the center. An I/UCRC not only contributes to the Nation's research infrastructure base and enhances the intellectual capacity of the engineering and science workforce through the integration of research and education, but also encourages and fosters international cooperation and collaborative projects. We plan to focus efforts and resources in this Center in order to develop long-term partnerships among participating industrial partners. For instance, we have received commitments from the Florida Institute for Human and Machine Cognition, Condo.com, Data Transfer Solutions, Healthcare.com, and The Miami Herald, among others.

In addition, Benjamín León’s generous donation has also led to collaboration with the León Medical Centers and the establishment of The Benjamín León, Jr. Family Center for Geriatric Research and Education. The Family Center will focus on health issues that affect the culturally diverse elderly population in South Florida. As the United States population continues to grow older as a whole, the research conducted in this center will gain increased relevance beyond South Florida. This relationship will allow for growth in geriatric research beyond the College of Medicine to disciplines such as Public Health, Social Work, Psychology, and Biomedical Engineering.

We have also been working with the College of Medicine to establish a Clinical Trials Unit in partnership with the H. Lee Moffitt Cancer Center and Research Institute. This partnership will be mutually beneficial, with South Florida providing a recruitment site necessary for Moffitt to maintain its comprehensive cancer research designation, and facilitating our College of Medicine with the development of a clinical trials unit.

Table 1

Applications Comparison FY 2007 vs. FY 2008

College/School/Center/Division	July 2006 – June 2007			July 2007 – June 2008			% change
	Direct Costs	Indirect	Total	Direct Costs	Indirect	Total	
Academic Affairs	\$6,227,114	\$878,845	\$7,105,959	\$11,972,197	\$1,967,314	\$13,939,511	96%
Applied Research Center	\$7,322,774	\$2,097,513	\$9,420,287	\$3,283,819	\$1,202,611	\$4,486,430	-52%
CIARA-UTS	\$948,699	\$93,455	\$1,042,154	\$220,736	\$25,494	\$246,230	-76%
College of Architecture & the Arts	\$911,979	\$0	\$911,979	\$935,952	\$87,895	\$1,023,847	12%
College of Arts & Sciences	\$36,873,679	\$10,872,702	\$47,746,381	\$33,460,161	\$9,222,575	\$42,682,736	-11%
College of Business Administration	\$1,421,922	\$272,654	\$1,694,576	\$571,450	\$177,241	\$748,691	-56%
College of Education	\$13,035,438	\$1,216,648	\$14,252,086	\$13,436,991	\$1,744,343	\$15,181,334	7%
College of Engineering & Computing	\$65,085,286	\$15,315,964	\$80,401,250	\$85,748,247	\$16,746,124	\$102,494,371	27%
College of Law	\$218,516	\$0	\$218,516	\$167,000	\$0	\$167,000	-24%
College of Medicine	\$2,929,816	\$994,691	\$3,924,507	\$16,810,712	\$2,231,724	\$19,042,436	385%
College of Nursing & Health Sciences	\$8,333,009	\$1,827,819	\$10,160,828	\$4,368,180	\$766,982	\$5,135,162	-49%
College of Social Work, Justice, & Public Affairs	\$10,309,264	\$2,920,519	\$13,229,783	\$3,818,294	\$1,094,869	\$4,869,045	-63%
Division of Finance & Administration	\$0	\$0	\$0	\$0	\$0	\$0	N/A
Division of Student Affairs	\$3,767,451	\$296,003	\$4,063,454	\$1,455,746	\$92,410	\$1,548,156	-62%
Division of University Advancement	\$199,937	\$0	\$199,937	\$265,000	\$0	\$265,000	33%
Honors College	\$25,000	\$0	\$25,000	\$0	\$0	\$0	-100%
International Hurricane Research Center	\$1,408,003	\$335,924	\$1,743,927	\$13,603,192	\$1,084,818	\$14,688,010	742%
MBRS	\$3,329,447	\$1,045,178	\$4,374,625	\$5,456,066	\$924,377	\$6,380,443	46%
School of Hospitality & Tourism Management	\$38,665	\$1,162	\$39,827	\$20,950	\$0	\$20,950	-47%
School of Journalism & Mass Communication	\$1,150,087	\$250,384	\$1,400,471	\$263,398	\$53,474	\$316,872	-77%
Southeast Environmental Research Center	\$7,428,408	\$1,634,949	\$9,063,357	\$7,317,834	\$1,556,050	\$8,873,884	-2%
Stempel School of Public Health	\$21,621,442	\$7,727,573	\$29,349,015	\$16,473,594	\$5,277,101	\$21,750,695	-26%
TOTAL	\$192,585,936	\$47,781,983	\$240,367,919	\$219,649,519	\$44,255,402	\$263,860,803	10%
Effective/average indirect cost rate	25%			20%			

Table 2

Awards Comparison FY 2007 vs. FY 2008

College/School/Center/Division	July 2006 – June 2007			July 2007 – June 2008			% change
	Direct Costs	Indirect	Total	Direct Costs	Indirect	Total	
Academic Affairs	\$3,094,613	\$226,992	\$3,321,605	\$3,977,706	\$260,397	\$4,238,103	28%
Applied Research Center (ARC)	\$7,812,750	\$2,635,509	\$10,448,259	\$4,153,833	\$1,533,263	\$5,687,096	-46%
CIARA-UTS	\$3,848,786	\$338,359	\$4,187,145	\$1,625,652	\$149,065	\$1,774,717	-58%
College of Architecture & the Arts	\$357,064	\$909	\$357,973	\$520,435	\$11,460	\$531,895	49%
College of Arts & Sciences	\$12,209,785	\$3,136,020	\$15,345,805	\$9,067,314	\$1,948,638	\$11,015,952	-28%
College of Business Administration	\$574,816	\$69,253	\$644,069	\$323,815	\$25,185	\$349,000	-46%
College of Education	\$3,897,280	\$231,986	\$4,129,266	\$3,671,553	\$314,420	\$3,985,973	-3%
College of Engineering & Computing	\$12,810,984	\$2,409,950	\$15,220,934	\$12,387,535	\$2,078,551	\$14,466,086	-5%
College of Law	\$266,669	\$0	\$266,669	\$279,149	\$0	\$279,149	5%
College of Medicine	\$1,954,398	\$698,096	\$2,652,494	\$501,948	\$171,416	\$673,364	-75%
College of Nursing & Health Sciences	\$3,686,815	\$550,433	\$4,237,248	\$2,590,835	\$201,040	\$2,791,875	-34%
College of Social Work, Justice, & Public Affairs	\$7,974,410	\$1,089,813	\$9,064,223	\$9,007,981	\$2,116,743	\$11,124,724	19%
Division of Finance & Administration	\$144,146	\$0	\$144,146	\$151,353	\$0	\$151,353	5%
Division of Student Affairs	\$1,764,673	\$77,269	\$1,841,942	\$2,002,253	\$121,078	\$2,123,331	15%
Division of University Advancement	\$179,437	\$0	\$179,437	\$199,536	\$0	\$199,536	11%
Honors College	\$25,000	\$0	\$25,000	\$0	\$0	\$0	N/A
International Hurricane Research Center (IHRC)	\$3,239,485	\$302,807	\$3,542,292	\$2,512,180	\$193,327	\$2,705,507	-24%
MBRS	\$906,523	\$80,363	\$986,886	\$0	\$0	\$0	N/A
School of Hospitality & Tourism Management	\$25,000	\$0	\$25,000	\$0	\$0	\$0	N/A
School of Journalism & Mass Communication	\$93,000	\$0	\$93,000	\$266,588	\$27,396	\$293,984	216%
Southeast Environmental Research Center	\$5,423,812	\$1,173,893	\$6,597,705	\$5,538,875	\$1,124,429	\$6,663,304	1%
Stempel School of Public Health	\$5,455,130	\$1,549,730	\$7,004,860	\$3,094,837	\$1,006,013	\$4,100,850	-41%
TOTAL	\$75,744,576	\$14,571,382	\$90,315,958	\$61,873,378	\$11,282,421	\$73,155,799	-19%
Effective/average indirect cost rate	19%			18%			

Table 3

Summary of FY '07-'08 Decreases in Research Funding for Selected Units

College/School/ Center/Division	Description of Funding Decreases	Funding Decreases
ARC	<ul style="list-style-type: none"> • In FY 07 received \$5.7M from DoE for Core grant, while in FY 08 received \$3.7M for same grant. • Expectation of receiving another \$2M from DoE, but most likely come during the next FY. • Two awards for FY 07 were no-cost extensions (NCEs); one for \$452k and the other for \$1.1M. • One project running from 07 to 8/15/09 was awarded in full during FY 07 (\$890k). • Number of applications increased 48.5% from FY 06; however, total funding requested decreased 42.3% (from \$15.6M to \$9.0M) 	\$4.442M
Arts & Sciences	<ul style="list-style-type: none"> • 18 one-time “upfront” award actions processed in FY 07 that span multiple FYs (\$2.2M). • 30 awards in FY 07 in NCEs for FY 08 (\$4.4M). • \$600k in FY 07 associated with awards that ended and have not been renewed and/or the faculty member retired or did not get tenure. • Applications for FY 07 were down by 40% compared to FY 06. 	\$7.2M
SERC	<ul style="list-style-type: none"> • 2 one-time “upfront” award actions processed in FY 07 that span multiple FYs totaling \$242k. • 10 awards in FY 07 in NCEs for FY 08 (\$1.0M) • \$312k in FY 07 associated with awards that ended and were not been renewed. • Applications for FY 07 were down by 40% compared to FY 06. 	\$1.554M
Engineering	<ul style="list-style-type: none"> • 22 one-time “upfront” award actions processed in FY 07 that total \$1.4M. • 16 awards in FY 07 in NCEs for FY 08 (\$1.6M). • \$212k in FY 07 associated with awards that ended and were not been renewed. 	\$3.312M
Nursing	<ul style="list-style-type: none"> • 4 one-time “upfront” award actions processed in FY 07 which total \$146,148. • 6 awards in FY 07 in NCEs for FY 08 (\$1.5M). • \$456k in FY 07 was for awards that ended and were not been renewed or the PI has left the university. • Applications for Nursing increased by 23% in FY 07 compared to FY 06 but decreased by 51% from FY 07 to FY 08. 	\$2.1M
No-Cost Extensions		\$10.05M
	TOTAL	\$18.61M

Table 4

Contracts and Grants Awarded by Major Funding Sources for Research, Service, and Training				
Source	Award Increment Direct Costs	Award Increment F&A	Amount	Percent
July 2006 — June 2007				
Federal Government	\$54,545,829	\$12,742,993	\$67,288,822	74.50%
State & Local Government	\$13,225,110	\$1,146,059	\$14,371,169	15.92%
Private/Other Sources	\$7,973,637	\$682,330	\$8,655,967	9.58%
Total	\$75,744,576	\$14,571,382	\$90,315,958	100.00%
July 2007 — June 2008				
Federal Government	\$44,943,408	\$ 9,799,992	\$54,743,400	74.83%
State & Local Government	\$9,446,690	\$856,177	\$10,302,867	14.08%
Private/Other Sources	\$7,483,280	\$626,252	\$8,109,532	11.09%
Total	\$61,873,378	\$11,282,421	\$73,155,799	100.00%

Table 5

Direct & Indirect Expenditures FY 2007 vs. FY 2008							
College/School/Center/Division	July 2006 To June 2007			July 2007 To June 2008			% change
	Direct Costs	Indirect	Total	Direct Costs	Indirect	Total	
ABR/MBRS	\$3,424,730	\$1,058,997	\$4,483,728	\$2,606,047	\$787,653	\$3,393,700	-24%
Academic Affairs	\$4,551,130	\$449,889	\$5,001,019	\$4,928,048	\$361,111	\$5,289,159	6%
Applied Research Center (ARC)	\$6,157,450	\$2,008,947	\$8,166,397	\$5,422,810	\$1,920,131	\$7,342,941	-10%
CIARA/UTS	\$3,338,854	\$196,745	\$3,535,599	\$2,083,131	\$236,341	\$2,319,472	-34%
College of Architecture & the Arts	\$415,735	\$2,444	\$418,179	\$315,798	\$1,097	\$316,895	-24%
College of Arts & Sciences	\$8,131,314	\$2,131,882	\$10,263,197	\$8,218,115	\$1,987,619	\$10,205,735	-1%
College of Business Administration	\$714,748	\$96,997	\$811,746	\$573,475	\$84,776	\$658,251	-19%
College of Education	\$4,645,307	\$273,663	\$4,918,970	\$4,466,170	\$299,180	\$4,765,350	-3%
College of Engineering & Computing	\$9,657,791	\$2,340,851	\$11,998,642	\$10,482,089	\$2,064,316	\$12,546,405	5%
College of Law	\$554,448	\$0	\$554,448	\$253,622	\$0	\$253,622	-54%
College of Medicine	\$330,020	\$106,787	\$436,807	\$576,297	\$221,832	\$798,128	83%
College of Nursing & Health Sciences	\$3,204,068	\$194,011	\$3,398,079	\$2,402,024	\$233,122	\$2,635,146	-22%
College of Social Work, Justice, & Public Affairs	\$5,342,843	\$1,364,275	\$6,707,119	\$7,213,502	\$1,234,791	\$8,448,292	26%
Division of Finance & Administration	\$147,583	\$0	\$147,583	\$135,775	\$0	\$135,775	-8%
Division of Student Affairs	\$1,675,099	\$86,901	\$1,762,000	\$1,466,223	\$67,838	\$1,534,062	-13%
Division of University Advancement	\$214,306	\$0	\$214,306	\$13,129	\$0	\$13,129	-94%
Honors College	\$12,339	\$0	\$12,339	\$2,617	\$0	\$2,617	-79%
International Hurricane Research Center (IHRC)	\$3,010,536	\$326,007	\$3,336,543	\$3,139,331	\$314,725	\$3,454,056	4%
School of Hospitality & Tourism Management	\$187,441	\$0	\$187,441	\$21,940	\$0	\$21,940	-88%
School of Journalism & Mass Communication	\$213,688	\$37,680	\$251,369	\$210,948	\$23,463	\$234,411	-7%
SERC	\$5,737,945	\$1,427,066	\$7,165,011	\$6,008,381	\$1,265,465	\$7,273,846	2%
Stempel School of Public Health	\$5,735,161	\$1,852,839	\$7,588,001	\$4,451,757	\$1,302,802	\$5,754,559	-24%
TOTAL	\$67,402,536	\$13,955,981	\$81,358,523	\$64,991,229	\$12,406,262	\$77,397,491	-5%