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Office of Sponsored Research Administration Report Through February 2009

Office of Sponsored Research Administration, Florida International University

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THE FLORIDA INTERNATIONAL UNIVERSITY BOARD OF TRUSTEES
FINANCE AND AUDIT COMMITTEE

RESEARCH AND UNIVERSITY GRADUATE SCHOOL

OFFICE OF SPONSORED RESEARCH ADMINISTRATION
REPORT THROUGH FEBRUARY 2009

I. Introduction

In this semiannual report to the Board of Trustees, we focus on three areas. First, we present an [overview of sponsored research](#) applications, awards and expenditures¹ over the first seven months of the fiscal year and compare these to the same period of the prior fiscal year. Second, we report on [quality of service issues](#), including progress with our second annual customer service survey, continued progress in the implementation of electronic grant submission systems and the PeopleSoft Grants Suite, the process of embedding OSRA personnel in Colleges and new efforts in research development. Third, we report on several [research initiatives](#), including cluster hiring initiatives, research development plans and research space allocation.

We are transforming the Sponsored Research report presentation with the goal of providing information in a manner that will better assist the evaluation of sponsored research performance throughout the University. Two important changes reflected in this report are noteworthy. First, data on awards and expenditures for Colleges reflect the performance of College research faculty assigned to Centers and other Units. Thus, for example, awards and expenditures for a Principal Investigator from the Southeastern Research Center (SERC) and the department of Biology would be reflected in the values for the College of Arts & Sciences, as well as SERC. However, there is no double counting in the total values. We believe that this approach allows for a better understanding of the performance of the colleges as well as the centers. Second, we provide award data by key University strategic areas (e.g., health, environment, etc.) as well as by academic areas (e.g., Arts & Humanities, Social Science, Engineering, etc.).

In the following tables and figures, Fiscal Year (FY) covers July through January, except in Table 3—Expenditures, which covers the period of July through December.

II. Sponsored Research Overview

Awards: [Table 1](#) presents data comparing new awards during the first seven months of FY 2008 and FY 2009. The overall growth in awards was 30.8%, and the effective indirect rate increased from 16.81% to 20%. In terms of colleges, the College of Engineering and Computing had the largest increase in awards (99%), followed by the College of Medicine (82%), the College of Architecture and the Arts (63%) the College of Public Health and Social Work (60%) and the College of Arts & Sciences (32%). Three colleges had a decrease in awards: Business Administration (29%), Nursing and Health Sciences (28%) and Education (26%). [Figure 1](#)

¹ The period covered in Table 3—Expenditures, is six months (July through December).

provides a graphic representation of the awards by College. [Figure 2](#) shows the Effective Indirect Rate by College.

[Figures 3, 4](#) and [5](#) illustrate awards by strategic areas for the first seven months of FY 2008 and FY 2009. Figures 3 and 4 show the areas by amount of funding and [Figure 5](#) illustrates changes in the proportion of funding by area. Most notable is the increase in awards focusing on health-related research (26.4% of total funding in 2009 vs. 16.8% in 2008 [see [Figure 5](#)], and a doubling of funded dollars from \$6.8M to \$13.9M). There were also notable increases in the funding for international-related research (from \$7.7M to \$9.3M) and environmental/international research (from \$1.2M to \$4.9M).

[Figures 6, 7, 8](#) and [9](#) illustrate new award funding by various traditional academic areas. It is important to note that distinction in these areas is not always self-evident. For example, there is much social science research that focuses on health, and there may be educational research that focuses on health. Similarly, there may be social science research with a law or legal focus.

Finally, funding from the State of Florida has proportionally decreased, while funding from federal as well as private and other sources has slightly increased (see [Figure 10](#)).

Scientific Highlights from New Awards: Below we highlight ten projects associated with awards received by FIU research faculty during the first seven months of FY 2009. This is only a small sample of the exciting research currently taking place at FIU. The breadth of research ranges from health-related factors such as Hepatitis and HIV, to the treatment of anxiety for children, to parental intervention to reduce risky sexual behaviors among youth, as well as environmental research focusing on water ecosystems and global warming.

- 1) Funded by NIH: Co-infection with Hepatitis C (HCV) is becoming the main cause of death in HIV-infected patients in the United States. Among drug users, the proportion of HIV/HCV co-infection is 50%-90%. HCV infection leads to liver fibrosis, cirrhosis, end-stage liver disease, and hepatocellular carcinoma. This observational study is proposed to determine the association of oxidative stress and antioxidant status with HIV/HCV co-infection and progression of liver disease to provide the basis for potential future adjuvant therapies to reduce oxidative stress and suppress or delay fibrogenesis in HIV/HCV coinfecting patients (*PI: Marianna Baum, School of Public Health and Social Work*).
- 2) Funded by NSF: The ultimate goal of the project is to discover a process that can be used to recharge hydrogen fuel cells as an on-board energy source. This project will take advantage of the state-of-the-art high-pressure facilities at the National Synchrotron Light Source and the Los Alamos Neutron Science Center. Collaborators are from multiple universities and labs, including Stony Brook University, Stanford, Los Alamos National Lab, and Brookhaven National Lab (*PI: Jihua Chen, College of Engineering and Computing*).
- 3) Funded by NIH: The study examines social psychological factors impacting sexual behavior as well as dimensions of parenting during adolescence that are predictive of sexual risk

taking behavior during both adolescence and young adulthood for Latino youth. The analysis is grounded within the construct of acculturated parenting, which empirically identifies if a given parenting behavior is more typical of the culture of the country of origin or if it is more typical of the host culture. This contextualization has implications for how parenting programs, designed to reduce sexual activity, are framed to Latino parents. The research also compares the differential impact of parenting variables on adolescent sexual risk taking behavior as a function of Latino subgroup and explores differences in mediators of parental influence. The research will inform the development of interventions aimed at Latino parents to help them reduce sexual risk taking behavior on the part of their adolescent children and to help their children transition to healthy lifestyles during young adulthood (*PI: James Jaccard, College of Arts & Sciences*).

- 4) Funded by NASA: *WaterSCAPES: Science of Coupled Aquatic Processes in Ecosystems from Space* focuses on an integrated set of research and education activities centered on the coupled interaction between the hydrologic cycle and vegetation dynamics at the scale of ecosystems, analyzing the spatial temporal changes of this interaction and determining the influence of these changes on water cycling, vegetation structure, biomass dynamics and biodiversity (*PI: Fernando Miralles, College of Engineering and Computing*).
- 5) Funded by NSF: The project will fill the large gap in our understanding of physiological processes of arctic tundra vegetation during the cold season, and determine how these physiological processes contribute to the carbon dynamics of the ecosystem under current environmental conditions and scenarios of climate warming. This study is directly relevant to components of the US Global Change Research Program, which seeks to better quantify North American land carbon exchange and processes controlling its dynamics. The novel aspects of this research include a unique combination of approaches used to address cold season plant physiology, carbon acquisition under snow, carbon turnover, sources of water for the plants during the cold season, mortality, and respiration rate sensitivity to predicted changes in temperature. The results will lead to new insights into plant physiology and carbon dynamics of two tundra ecosystems during the cold season (*PI: Steven Oberbauer, College of Arts & Sciences*).
- 6) Funded by NSF: The proposed experiments with coherent prepared atoms in free space and in a cavity will lead to discoveries of new phenomena and contribute to the advancement of fundamental quantum optics and nonlinear optics at ultra-low light intensities. It will also lead to the development of new techniques to control the quantum states of atoms and photons, which will be useful for applications in quantum measurements and quantum information network. Studies of nonlinear optics at ultra-low light levels will be useful for photonics applications and optoelectronics devices such as quantum light switches and quantum phase gates (*PI: Yifu Zhu, College of Arts & Sciences*).

- 7) Funded by NIH: This project consists of a mediation-outcome research study evaluating the specificity, mediation, and treatment outcome enhancement of parent involvement for reducing anxiety disorders in children (*PI: Wendy Silverman, College of Arts & Sciences*).
- 8) Funded by NIH: The purpose of this study is to describe the experience of parents whose infant/child died in the NICU/PICU and the impact of the death on parent grief, mental health, personal growth, and family functioning during the first year after the death (*PI: JoAnne Youngblut, College of Nursing and Health Sciences*).
- 9) Funded by NSF: This long-term academic program prioritizes direct integration of science and education. It is structured around three goals: 1) *Conceptual ecological context*—to provide new insights into effects of aquatic ecosystem fragmentation through the development of novel approaches to the study of population- and community-wide aspects of food web structure; 2) *Grassroots environmental problem solving* —to actively engage students and the public through a series of grassroots tidal creek restoration projects, and to use these ecosystem-scale manipulations to integrate hypothesis-driven testing of ecological concepts with hands-on learning experiences, and 3) *Unique educational opportunities*—to provide unique educational opportunities for students and the general public, emphasizing opportunities for minorities underrepresented in scientific fields (*PI: Craig Layman, College of Arts & Sciences*).
- 10) Funded by NSF: NSF CREST Center for Innovative Information Systems Engineering brings together a multidisciplinary group of researchers, large-scale collaborative relationships, and a broad ecosystem of partners to perform research that will lead to information technologies that help to solve critical societal problems of national priority. In addition to training students, the Center will focus on four research projects: 1) *Effective Access to Complex Multimodal Data with Applications in Disaster Mitigation* will focus on developing effective techniques for managing and providing access to data that varies in type, source, location, time, and certainty by addressing storage optimization, data management, indexing and search, query techniques, and data presentation; 2) *Integrated Approach to Information Processing in Neuroscience* focuses on an integrated imaging/signal processing approach that will result in comprehensive views of the human brain in greater depth and detail through faster, affordable, more effective, and less invasive methods; 3) *Human Computer Interaction for Universal Access* has a long-term goal of enabling any prospective computer user to interact with computer-based systems, regardless of their disability status and regardless of the interaction challenges derived from the context in which the interaction is taking place, and 4) *Complex System Modeling, Analysis, and Realization* will focus on essential methodologies for modeling complex systems, a unified underlying semantic model, fundamental methods for compositional model analysis, and model-driven engineering technologies (*PI: Yi Deng, College of Engineering and Computing*).

Applications: [Table 2](#) and [Figure 11](#) show funding data on applications by colleges and other major centers and units. There has been an overall increase of 3.26% in the amount of funding being requested, and the indirect rate of applications has increased from 19.4% to 29.8%. However, evaluating application performance based on changes in funding presents challenges because one or two large grant applications in a given year can produce a misleading picture of progress. For example, the large decrease for the International Hurricane Center and the College of Medicine is because during FY 2008 each of these units applied for the State's Center of Excellence competition, \$10M proposal for each. A better barometer of applications and proposed research activities is the number of applications. [Figure 12](#) shows that the overall number of applications increased by 9.7%, with the Colleges of Engineering and Computing, Public Health and Social Work, and Medicine showing increases; Arts & Sciences remaining steady, and Nursing and Health Sciences and Education showing declines. It is also important to note that any changes by unit should not be judged on a single period. Grant application activities tend to be cyclical with the work of the research faculty, and thus with smaller units changes can "swing" dramatically.

Expenditures: [Table 3](#) presents Expenditure comparisons between FY 2008 and FY 2009. As of December 2008, expenditures were 10.75% below the previous year's period. By the end of January 2009, the difference had declined to 8.57%. A reduction in expenditures for FY 2009 is expected given that awards were 19% lower in FY 2008 compared to FY 2007. Given such decline, the current decrease is not as high as might have been expected. This may be related to already ongoing expenditures with the increase in awards this fiscal year.

We remain optimistic that FIU will again achieve the \$100M threshold in expenditures. The reasons for this are that:

- We expect expenditures to continue to increase during the remaining months of this fiscal year.
- Expenditures from the International Hurricane Research Center's Center of Excellence award have not been included yet.
- The higher indirect rate (42%) will produce higher expenditures based on the differential of the effective indirect rate and the new full rate.

III. Quality of Service

Setting up New Award Accounts: A specific quality of service area in which the Research Office has focused efforts pertains to the timing of setting-up accounts and budgets for incoming grants and contracts. This is an important service component given the time constraints associated with all grants and contracts.

Two and one half years ago, we began with the goal to have the accounts set-up for 80% of all awards within 5 working days of receiving the award, and 95% within 10 working days. However, it soon became evident that contracts tend to include negotiations that make it difficult to predict the timing of finalizing budgets and account set-up. As a result, in May 2007 we began to track grant and contracts separately. Our present goal is to complete the budget and account set-up for 75% of grants and 60% of contracts within 5 working days ([Figure 13](#)), and to complete more than 90% of grants and 80% of contracts within 10 working days ([Figure 14](#)). In

order to achieve these goals, we estimate that the average number of working days it takes to set-up accounts and budgets should be near or below five.

Improvements in the proportion of grants for which accounts have been set-up within five (5) working days can be seen in [Figure 13](#). Since May 2007, we have been near or surpassed the goal of 75% for grants for eleven out of 19 months, but need additional improvements to achieve this goal consistently. As for contracts, there is a clear trend of improvements, and for seven out of the last eight months we have achieved or surpassed the goal of 60%.

[Figure 14](#) illustrates improvements in the timing of setting-up accounts within 10 working days. We have achieved or approximated our goal with new grants since May 2007 and with contracts since December 2007. The improvements achieved in setting-up new accounts are perhaps best illustrated by the reduction in the average days it takes to set-up accounts (see [Figure 15](#)). We expect performance in this area to improve further with the implementation of PeopleSoft Grant Suite.

PeopleSoft Grants Suite Progress: The University is in the process of implementing the PantherSoft Financials Grants Suite. This project will implement a complete web-based solution for grants management. The Grants Suite includes the following five modules: Contracts, Grants, Project Costing, Billing and Accounts Receivable.

The PantherSoft Grants team has completed the design phase of this project and is currently in the initial stages of the test phase. The test phase will require the development of testing scripts and scenarios that will identify system errors and inefficiencies. The test phase has four different testing cycles—Unit, System, Integration and User Acceptance testing—that will last all the way prior to implementation. With each cycle, we are striving to eliminate system errors, ensure seamless integration and the delivery of the optimal grants management system.

New reports, new interfaces and new functionality are being developed to utilize the system to its fullest capabilities. Additionally, the team is documenting business processes and developing a training strategy to make the new tools available and to encourage utilization.

Based on the current analysis and business users' feedback, the tentative go-live date is July 13, 2009.

InfoEd Progress: The OSRA staff has been progressing on the systematic roll out of the InfoEd Proposal Development Module (PD). PD has been implemented and is currently being used in the College of Public Health and Social Work, The Wolfsonian and The Metropolitan Center. As of this update, the staff has met with the Research Administrators at the College of Nursing and Health Sciences, College of Engineering and Computing, College of Architecture and the Arts, College of Education and the College of Business to implement PD at their respective units. Training of the end users (administrators and faculty) is being arranged and conducted at the college level with the coordination of each individual unit. We will continue to move forward with the roll out of the PD module to the remaining units in order to have the system in place institution-wide by Spring 2009. We will use the embedding of OSRA staff into colleges (see below) as a means to support the implementation of InfoEd in each of the colleges. The primary reason for implementation of InfoEd is the requirement by federal agencies for electronic submission of grant applications. Other benefits of InfoEd's PD include: 1) electronic processing for the review and approval of grant submission, 2) ability of research faculty to maintain

information in the system for subsequent grant applications, and 3) ability to transfer grant application information into new PeopleSoft Grants Suite once grants are awarded.

Embedding OSRA in Colleges: As part of our ongoing mission to improve services to the faculty at the college level, a member of the Pre-Award and Post-Award teams will visit the colleges for several hours each week. The length of time will vary by size and needs of each college, but could range from 4 to 8 hours each week.

- The services the OSRA team will provide include:
 - ✓ Training college research support personnel.
 - ✓ Forging closer working relationships with faculty members.
 - ✓ Coordinating the start-up of grants with University units that influence the functioning of sponsored research projects (e.g., HR, purchasing, environmental health & safety, general counsel, etc.).

We will begin deployment of the Pre-Award team in April once expected grant application activity associated with the Federal Stimulus Package subsidies. This team will generally assist college research support personnel with proposal tracking, proposal development, as well as guidance and assistance with the various sponsor electronic systems for proposal submission. In addition, the Pre-Award team will have two specific features. One is the implementation of an OSRA Training Program provided on a monthly basis, with college research support personnel required to attend specifically determined sessions. The other is a Sponsored Project Kickoff Meeting, whereby Pre-Award staff and college research support staff will meet with the Principal Investigator and complete a Grant Initiation Checklist. The checklist will assist the Principal Investigator and college support staff in the identification and anticipation of challenges and needs that will arise for specific projects.

It is anticipated that the Post-Award team will begin working with the colleges by Fall 2009. The team will be involved with providing training and support regarding on the functionalities of the PeopleSoft Grants Suite and will train and support PIs on obtaining reports to be able to manage project budgets. The Post-Award team will also host a PeopleSoft “Open Lab” once a week (10 am-12 noon and 1-4 pm) for faculty members or college support staff experiencing difficulties managing their projects with PeopleSoft. The reason for the later deployment of the Post-Award team is to wait until the final implementation of the PeopleSoft Grants Suite and to complete internal OSRA training in this new system.

Summary of Annual Customer Survey: OSRA has completed a second annual Customer Survey. Results from the 2007 Survey have been analyzed and have informed many of the plans related to embedding OSRA staff in colleges and research development activities. Data analysis for the 2008 survey has been completed, and a full report for both surveys will be published by the end of April 2009.

IV. Research Initiatives

New Efforts in Research Development: The Research Office continues the focus on improvement of services and grant management in the near term. In addition, we foresee restructuring within OSRA as a response to the needs of a more Research Intensive University, with a growing and more complex research portfolio. We are working on:

- The development of a robust research integrity and compliance unit that is commensurate with the needs of a Research Intensive University.
- Greater focus on research development activities in support of research efforts throughout the University. A mature Research Intensive University requires a Research Office that engages in research development, in addition to providing support with budget, financials, pre-award, post-award, intellectual property, and research compliance. We expect OSRA to have a greater engagement in supporting start-up packages for new research faculty, collaborating with cluster hiring, and providing greater support for mentoring of faculty engaging in sponsored research.

Specific Ongoing Research Development Activities:

- Designating one position to organize and manage research development activities by April 2009.
- Overhauling the OSRA website to include:
 - Tools for preparation of grant applications to specific sponsoring sources (e.g., NIH, NSF, DoD, and USAID).
 - Tools for accessing research experts within and outside FIU.
 - Workshop and trainings for new FIU faculty.
 - Internal funding for preparation of external sponsored grant applications, as well as for bridge funding.
 - Internal and external grant application review mechanisms.
- Modifying the Faculty Research Awards to include training and mentorship for grant preparation. OSRA has been working with the Faculty Senate's Research, Scholarship and Creative Activities Committee on these modifications. We have already engaged outside experts to come to FIU and provide grant preparation workshops focusing on NIH and NSF.
- Cluster Hiring.

Cluster Hiring Initiatives: During the past year, in collaboration with Deans, we have begun a Cluster Hiring Initiative. The Office of Research has committed resources to provide start-up funds for possible Cluster Hires. Cluster hiring is a process by which faculty are recruited in groups built around common research and academic themes. Universities have utilized this strategy to build areas of strength in research and education, and well as to initiate new areas of research and scholarship. While it is important to maintain and build on our strengths in core disciplines, we also must facilitate cross-disciplinary work if we aspire, as an institution of higher learning, to be at the forefront of research, scholarship and creative activities. That is the main goal of the Cluster Hiring Initiative. The initiative also will enhance cross-disciplinary student learning and benefit our local and state economy.

Additionally, cluster hiring affords a means of advancing the university in strategically targeted areas. This approach maximizes the opportunity to propel programs into national and international prominence. The Cluster Hiring Initiative has been developed to support the expansion of knowledge that is arising, increasingly, in areas that depend crucially on more than one discipline.

The basic assumption is that clusters will be in areas identified in Research Strategic plans by Deans and the University. The University's goal is to successfully complete one or two cluster hires each year for the next 3-5 years. A Cluster will have the following characteristics:

- It will consist of the simultaneous hiring of two or more individuals with overlapping research interests.
- The cluster must consist of at least two (2) senior researchers with proven track records of outstanding scholarly productivity and grantsmanship in excess of \$500,000 per year that is transferable to FIU.

Currently, we are working on the recruitment of a cluster hire that would function across Engineering and Medicine in the area of biomedical nano-sensors and devices, and on a second cluster in Arts and Sciences that would expand health disparities research in mental health and substance abuse across Psychology, Social Work, Public Health and Child and Adolescent Psychiatry. Despite the serious challenge of the ongoing budget cuts, it is essential that we continue to focus on research and intellectual growth. The goal is to emerge from these challenging financial times well positioned to be a leading urban research university.

Research Space Allocation: Research space is a precious and finite resource, although space is allocated to the faculty and specific users, all space is a University resource. No research lab is assigned on a permanent basis to a faculty member. Given that research space is of finite quantity, and must therefore be allocated and managed to ensure its productivity, the University developed a Research Space Allocation Matrix. During the past seven months we have continued with efforts to implement this research utilization matrix, which assigns research laboratory space based on a formula that includes the following variables: a) direct sponsored research funding, b) indirect rate, c) graduate student thesis and dissertation credits, d) faculty member status (i.e., tenured or tenure track Assistant, Associate and Full Professor), and e) type of research. Through these efforts, we have accomplished the following:

- Identified research space utilization throughout the University. These data will be incorporated into a centralized space data system through Academic Affairs.
- Designated lab space for five new College of Medicine research faculty members, three College of Arts & Sciences faculty members who joined FIU in 2007 and 2008 but had no research labs, and two faculty members from the Stempel School of Public Health and Social Work, who joined the faculty in 2008 but lacked research labs.
- In addition to the renovation of labs for recent hires, other research labs have been vacated and will be renovated for the expected hiring of research faculty this upcoming fall semester.

Table 1 - Comparison of Awards Received Between FY 2008 and FY 2009

College/School/Center/Division	JULY - JANUARY 2008			JULY - JANUARY 2009			% change
	Direct	Indirect	Total	Direct	Indirect	Total	
Academic Affairs	\$95,022	\$2,979	\$98,001	\$0	\$0	\$0	-100.00%
Applied Research Center (ARC)	\$1,968,994	\$745,594	\$2,714,588	\$2,010,861	\$643,395	\$2,654,256	-2.22%
International Hurricane Research Center (IHRC) ¹	\$2,028,708	\$193,327	\$2,222,035	\$1,660,340	\$366,708	\$2,027,048	-8.78%
The Wolfsonian Museum	\$928,401	\$32,326	\$960,727	\$1,016,544	\$5,870	\$1,022,414	6.42%
Undergraduate Studies	\$0	\$0	\$0	\$54,750	\$0	\$54,750	100.00%
University Libraries	\$0	\$0	\$0	\$105,729	\$23,448	\$129,177	100.00%
Frost Arts Museum	\$4,350	\$0	\$4,350	\$193,729	\$0	\$193,729	4353.54%
College of Architecture & The Arts	\$125,113	\$0	\$125,113	\$199,620	\$4,346	\$203,966	63.03%
College of Arts & Sciences	\$13,047,525	\$2,085,094	\$15,132,619	\$16,578,103	\$3,329,251	\$19,907,354	31.55%
Center for Transnational and Comparative Studies	\$9,575	\$0	\$9,575	\$158,125	\$9,249	\$167,374	1648.03%
Jack D. Gordon Institute for Public Policy and Citizenship Studies	\$566,900	\$45,352	\$612,252	\$13,889	\$1,111	\$15,000	-97.55%
Latin American and Caribbean Center (LACC)	\$784,137	\$45,694	\$829,831	\$2,245,206	\$265,299	\$2,510,505	202.53%
Southeast Environmental Research Center (SERC)	\$3,636,854	\$683,414	\$4,320,268	\$3,834,769	\$794,297	\$4,629,066	7.15%
Cuban Research Institute (CRI)	\$285,714	\$14,286	\$300,000	\$0	\$0	\$0	-100.00%
Metropolitan Center	\$463,759	\$45,871	\$509,630	\$438,292	\$110,266	\$548,558	7.64%
Center for Labor Research & Studies (CLRS)	\$49,821	\$3,779	\$53,600	\$75,861	\$8,139	\$84,000	56.72%
College of Business Administration¹	\$1,181,437	\$68,516	\$1,249,953	\$834,048	\$48,060	\$882,108	-29.43%
College of Education	\$3,192,008	\$284,678	\$3,476,686	\$2,355,041	\$228,027	\$2,583,068	-25.70%
College of Engineering & Computing	\$5,242,425	\$905,573	\$6,147,998	\$10,106,890	\$2,136,311	\$12,243,201	99.14%
College of Law	\$137,149	\$0	\$137,149	\$107,268	\$0	\$107,268	-21.79%
College of Medicine	\$501,948	\$171,416	\$673,364	\$956,298	\$267,262	\$1,223,560	81.71%
College of Nursing & Health Sciences	\$972,353	\$165,963	\$1,138,316	\$675,952	\$147,956	\$823,908	-27.62%

Table 1 - Comparison of Awards Received Between FY 2008 and FY 2009

College/School/Center/Division	JULY - JANUARY 2008			JULY - JANUARY 2009			% change
	Direct	Indirect	Total	Direct	Indirect	Total	
College of Public Health & Social Work	\$3,141,372	\$1,007,283	\$4,148,655	\$5,220,474	\$1,434,809	\$6,655,283	60.42%
Division of Finance & Administration	\$37,838	\$0	\$37,838	\$25,944	\$0	\$25,944	-31.43%
Division of Student Affairs	\$1,641,269	\$99,649	\$1,740,918	\$1,178,207	\$82,420	\$1,260,627	-27.59%
Division of University Advancement	\$182,036	\$0	\$182,036	\$86,402	\$0	\$86,402	-52.54%
School of Hospitality & Tourism Management	\$0	\$0	\$0	\$75,000	\$0	\$75,000	100.00%
School of Journalism & Mass Communication	\$128,875	\$21,133	\$150,008	\$147,856	\$53,224	\$201,080	25.40%
University Technology Services	\$994,567	\$91,150	\$1,085,717	\$948,656	\$56,344	\$1,005,000	-7.43%
CIARA	\$0	\$0	\$0	\$68,067	\$28,814	\$96,881	100.00%
TOTAL²	\$34,684,768	\$5,831,350	\$40,516,118	\$44,163,105	\$8,834,111	\$52,997,216	30.81%
Effective/average indirect cost rate	16.81%			20.0%			

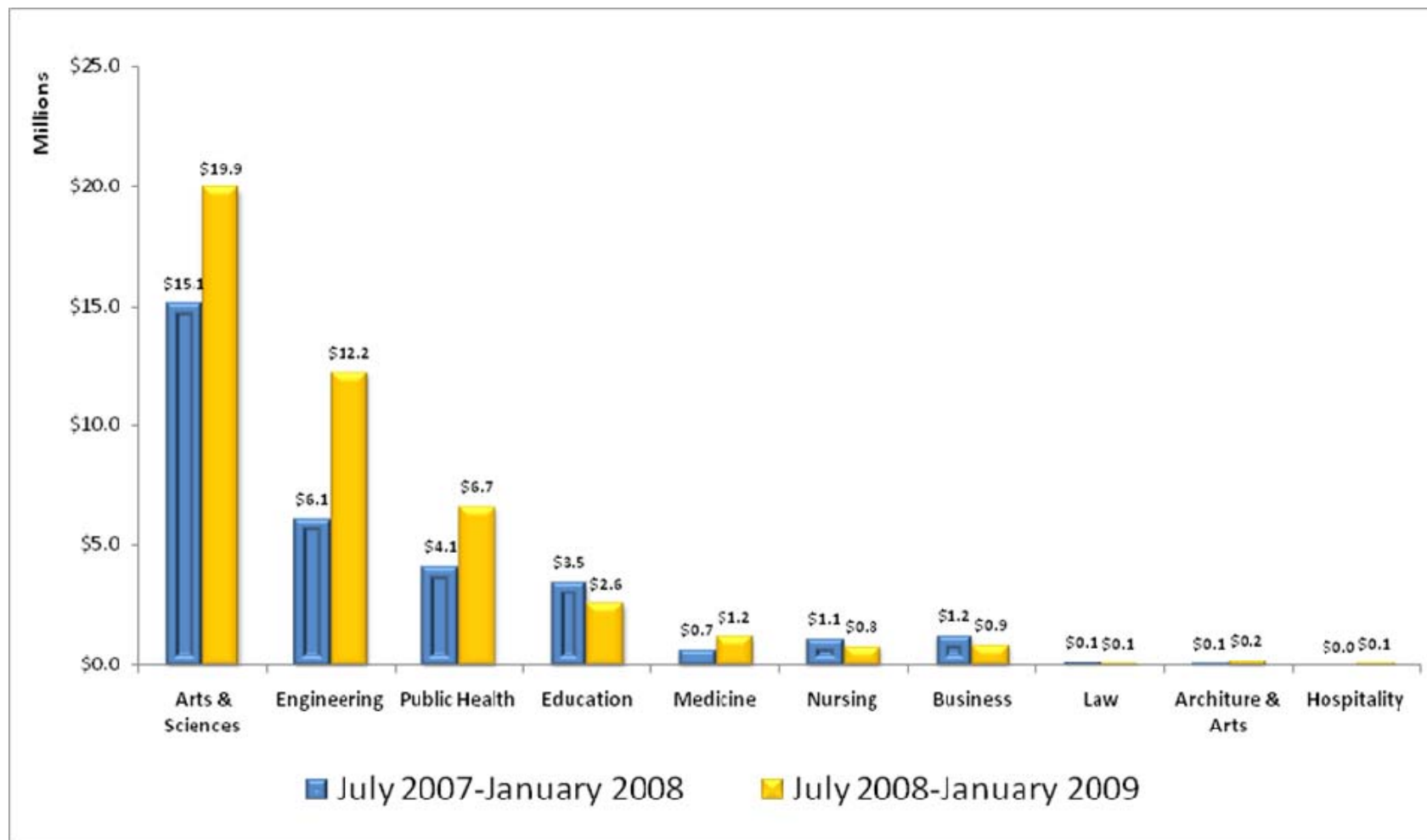
¹ Funding for Hurricane Loss Model (PI: Hamid) is included in IHRC and College of Business Awards

² Total excludes Centers/Institutes under the College of Arts and Sciences

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Figure 1 - Awards by College—Change between FY 2008 and FY 2009

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Note: Total Awards Increased by 30.8% (from \$40.5M to \$53M).

Figure 2 – Award Indirect Rate by College—Change between FY 2008 and FY 2009

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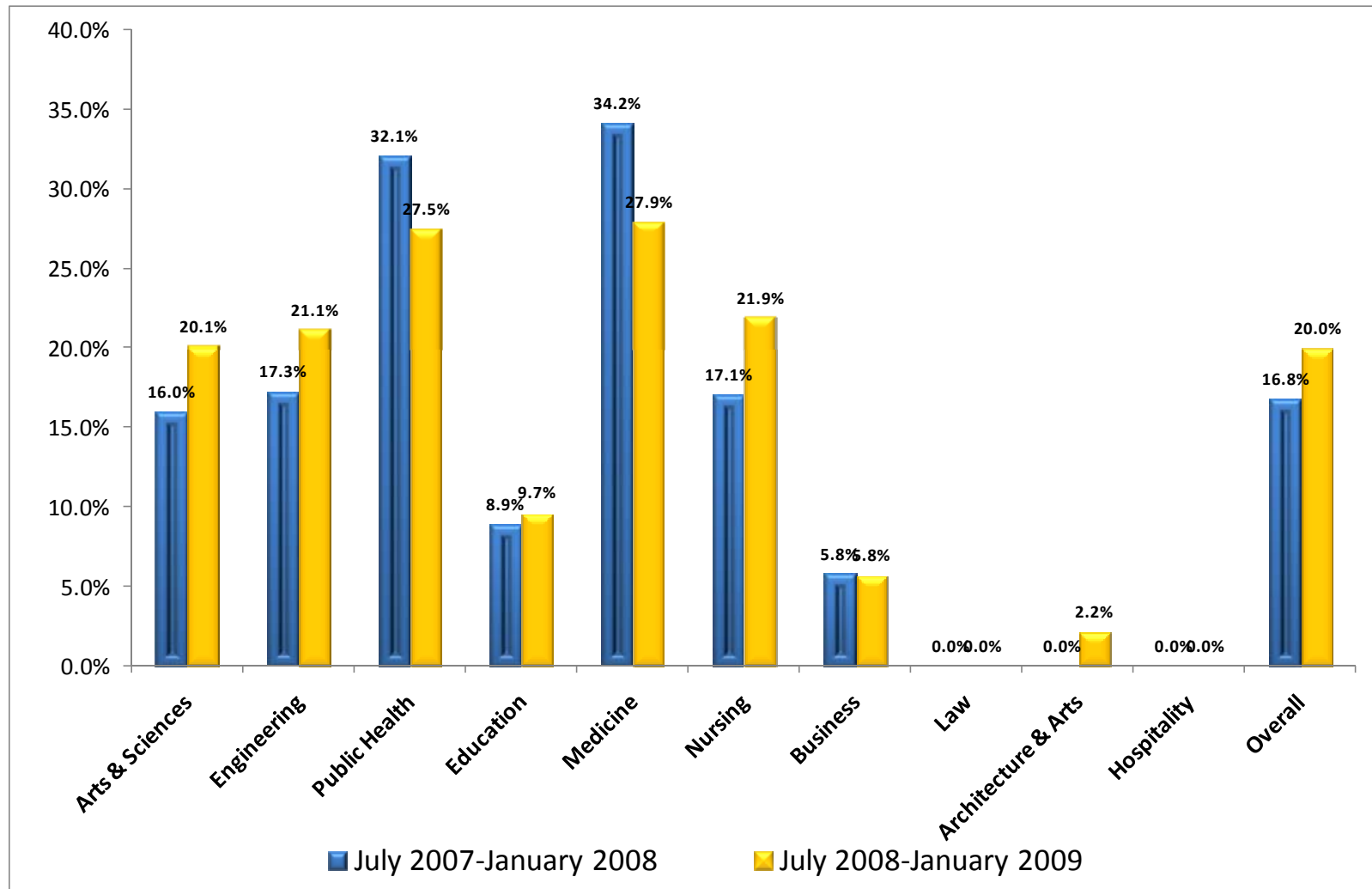


Figure 3 - Awards and Grants Allocations by Key Strategic Areas

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July 2007 – January 2008

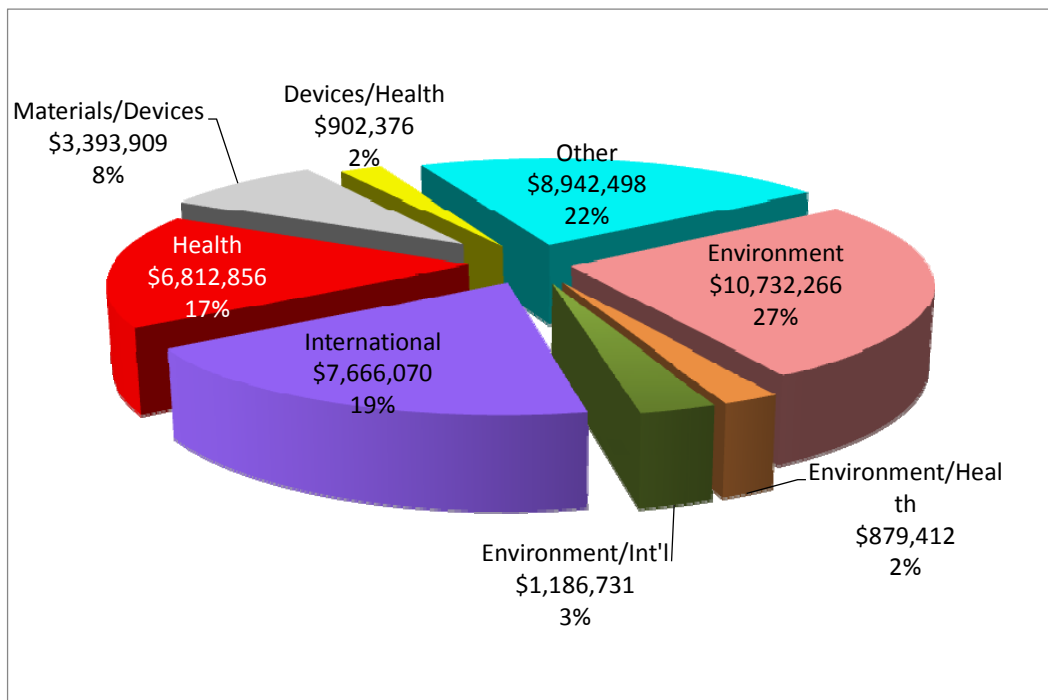


Figure 4 – Awards and Grants Allocations by Key Strategic Areas

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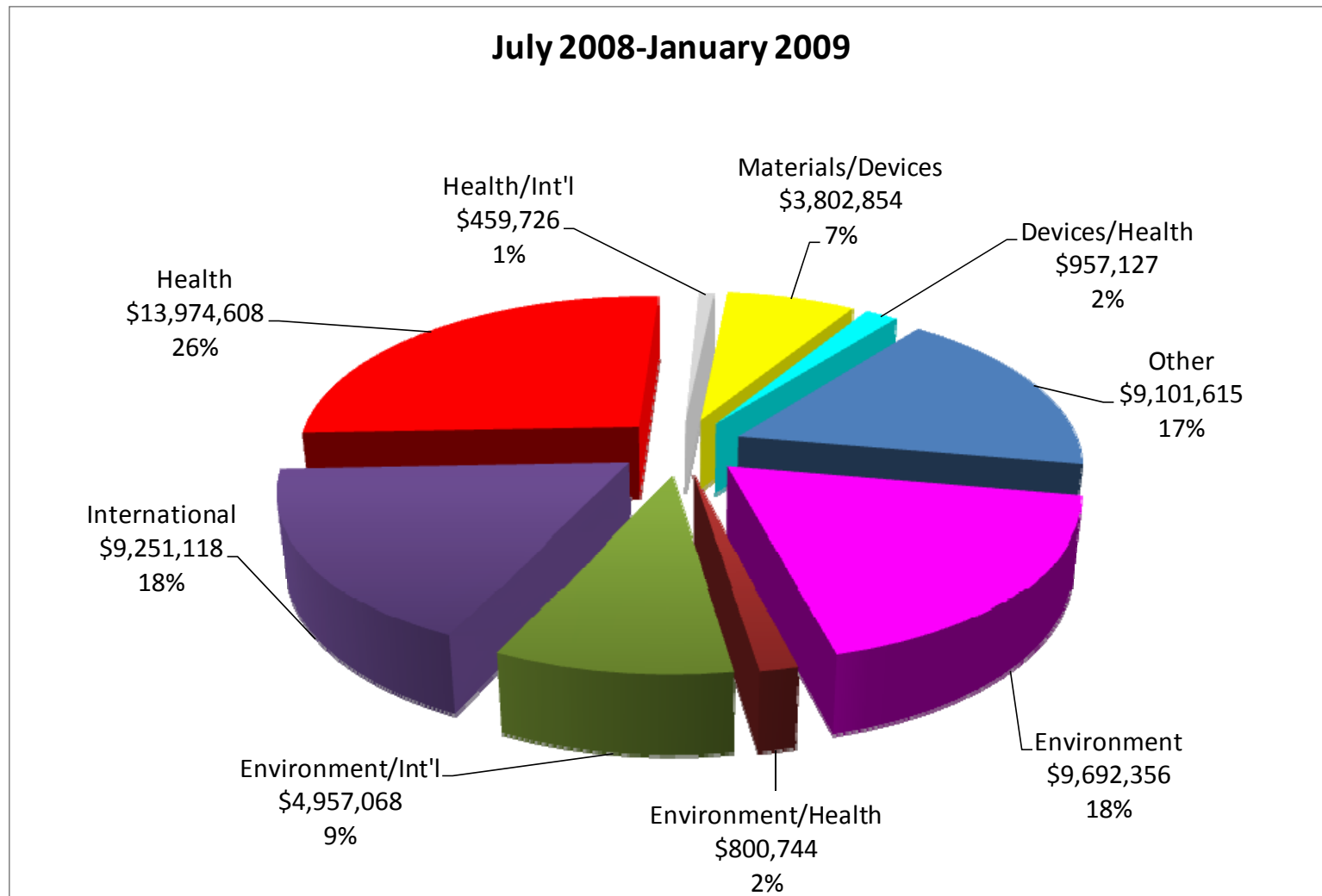


Figure 5 - Proportion of Award Funding by Key Strategic Areas—Change between FY 2008 and FY 2009

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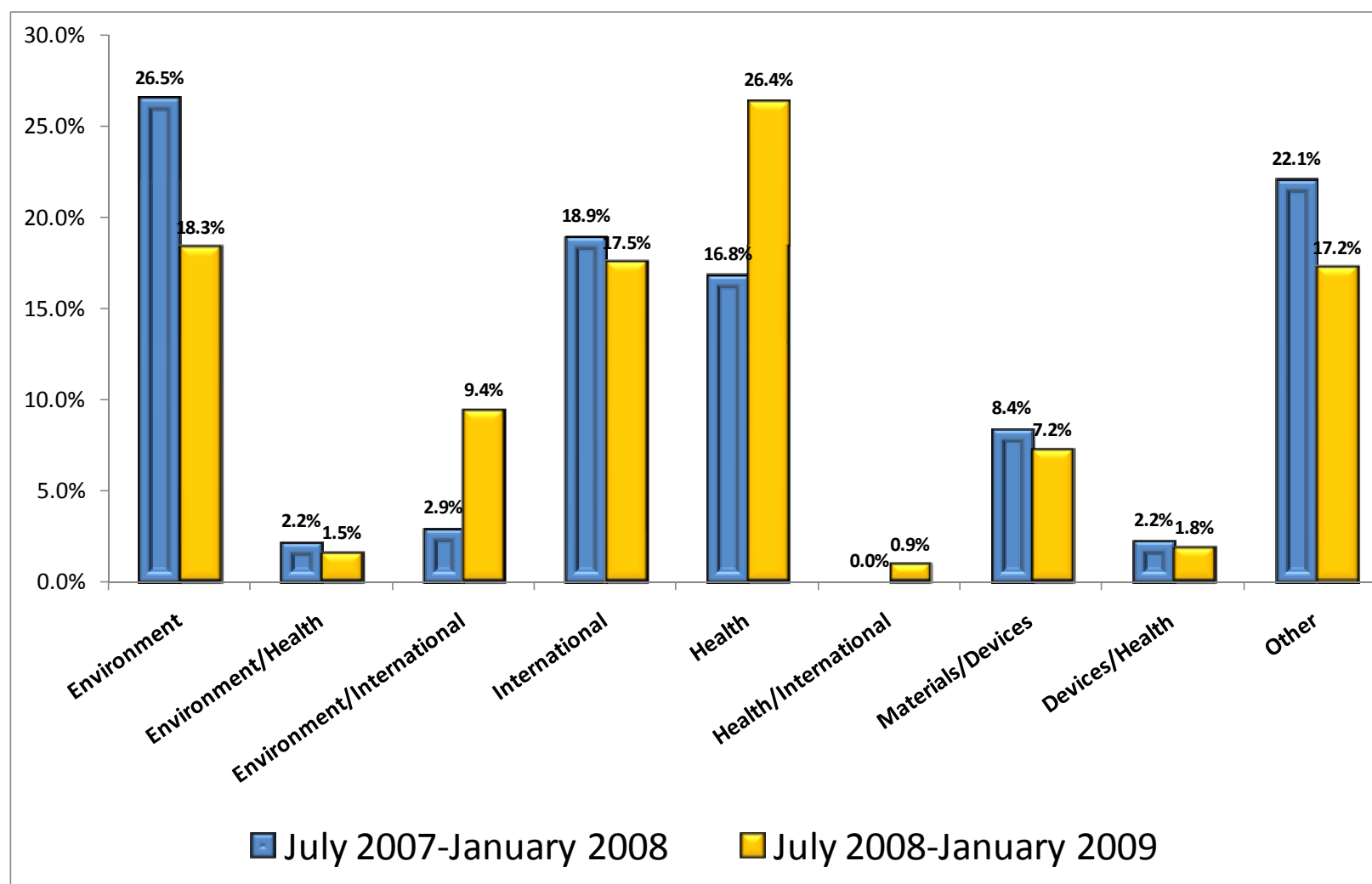


Figure 6 – Awards by Key Academic Areas

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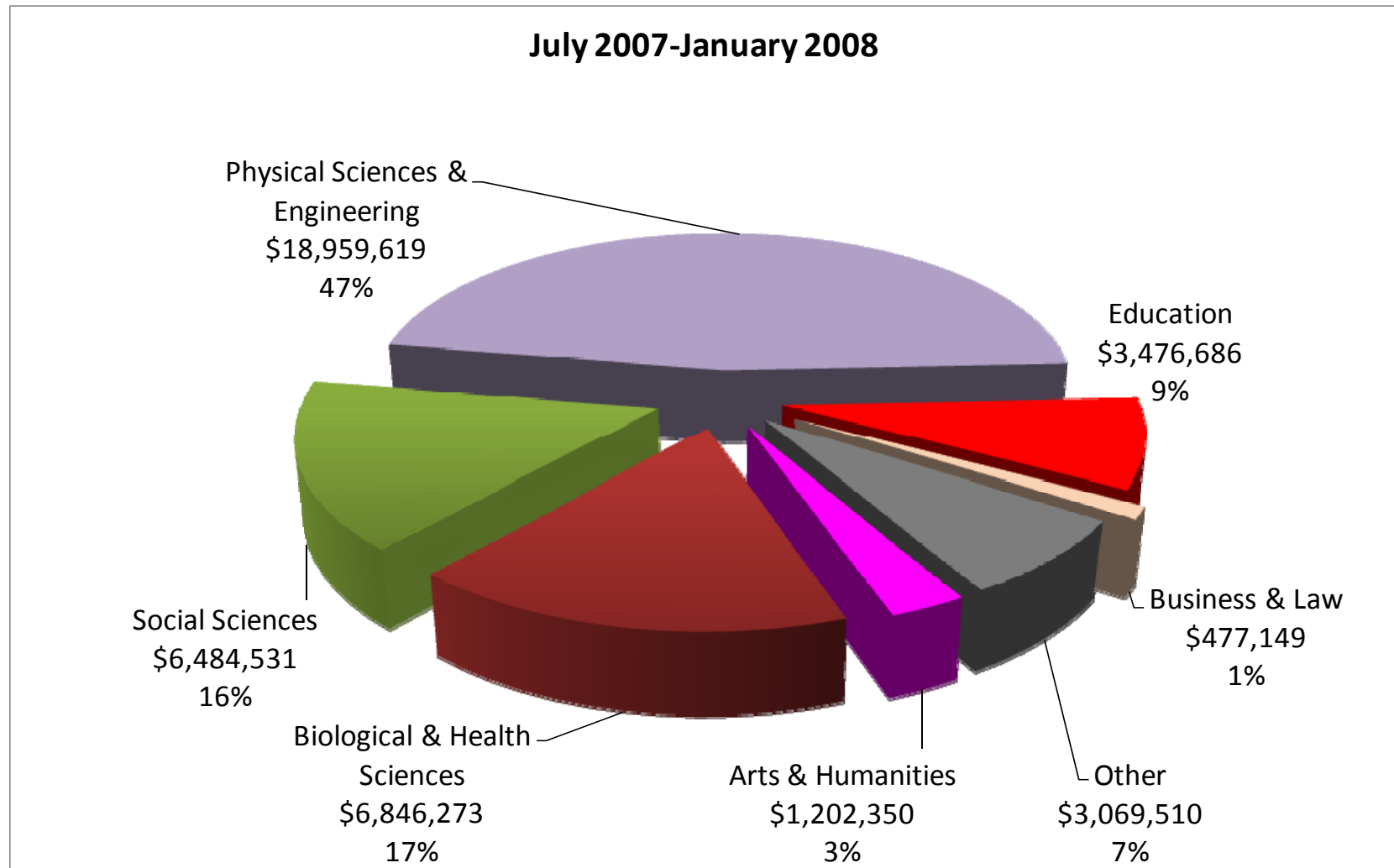


Figure 7 - Awards by Key Academic Areas

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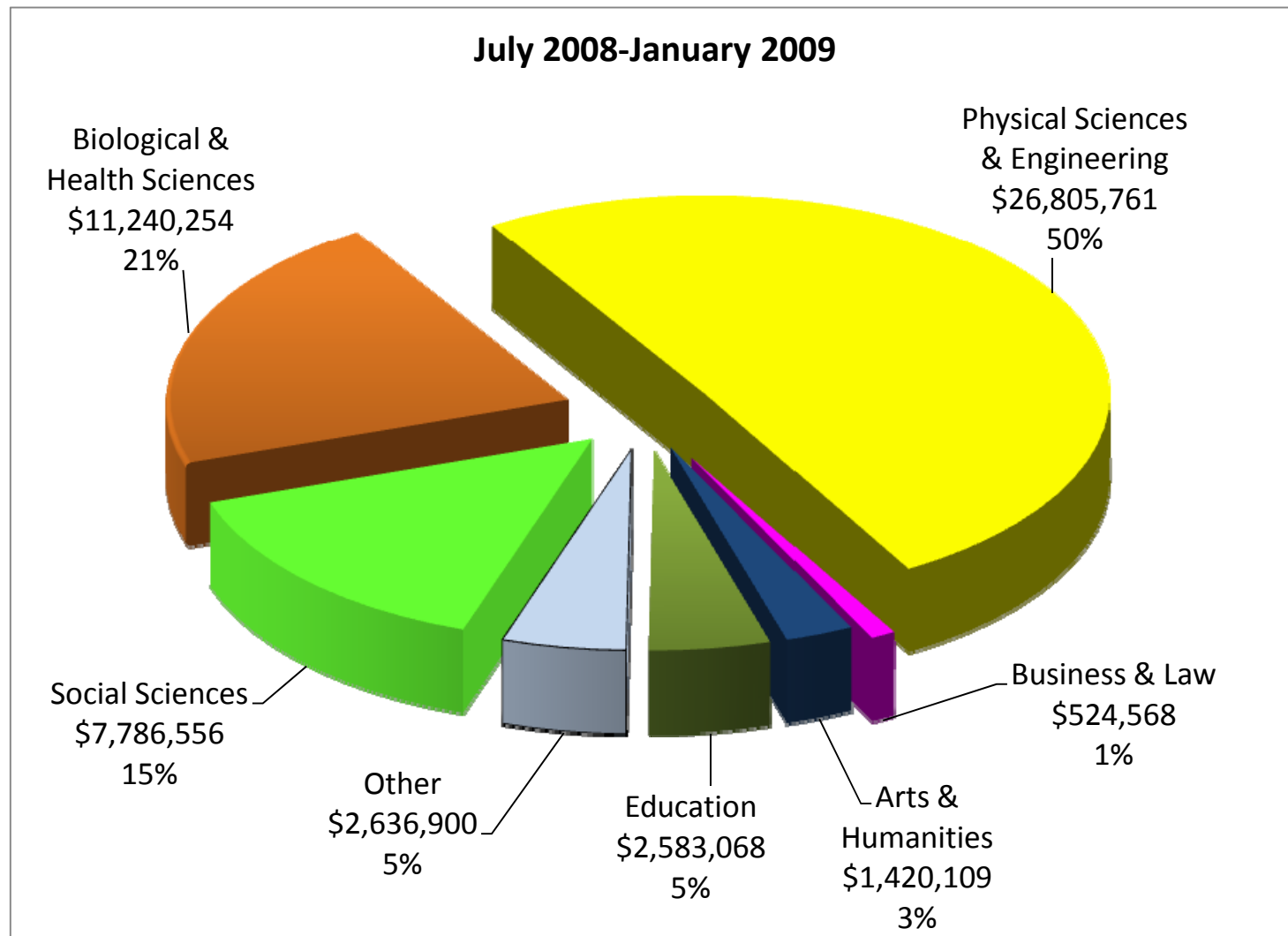


Figure 8 – Awards by Key Academic Areas—Change between FY 2008 and FY 2009

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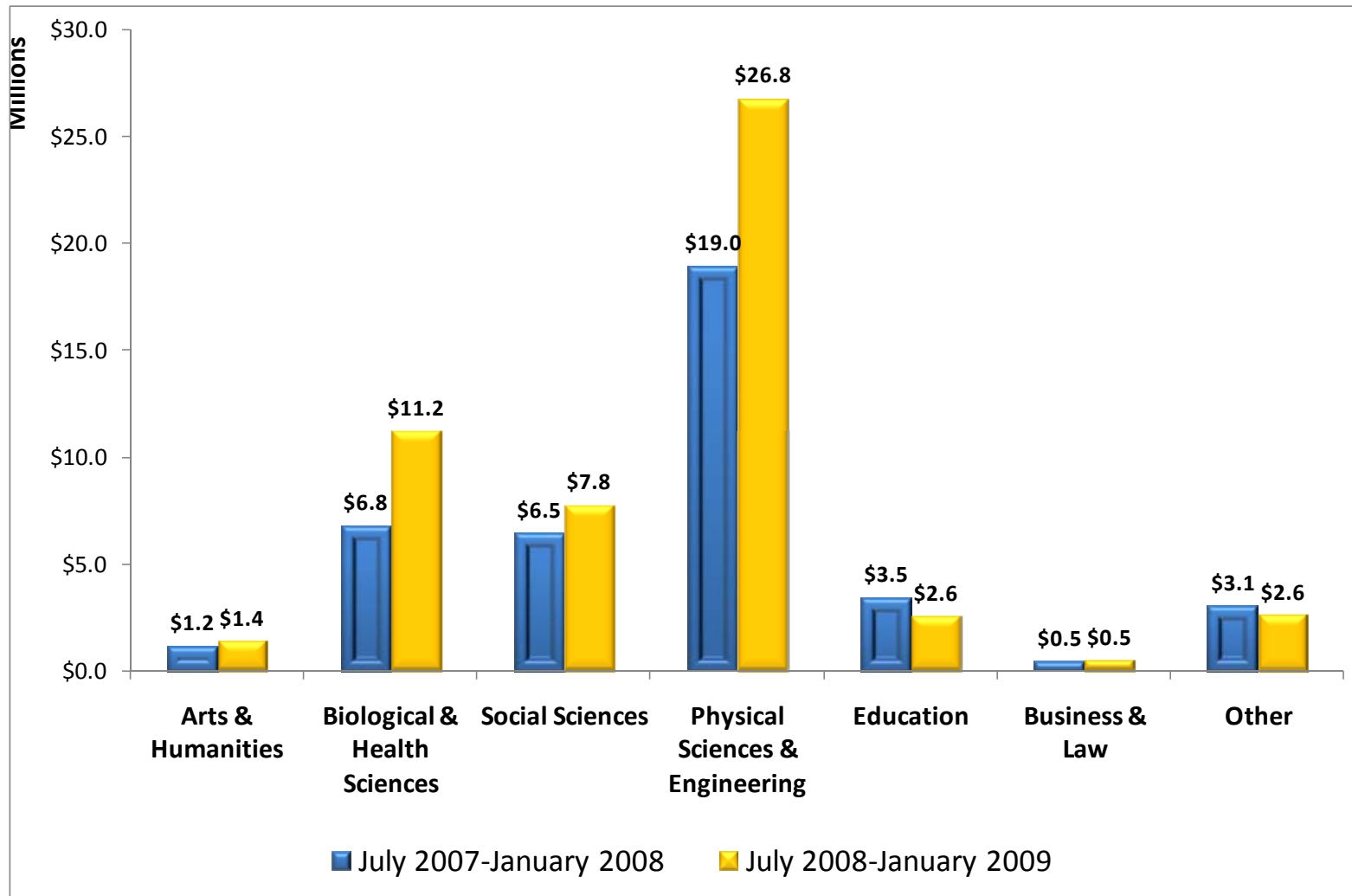


Figure 9 - Indirect Rate for Awards by Key Academic Areas—Change between FY 2008 and FY 2009

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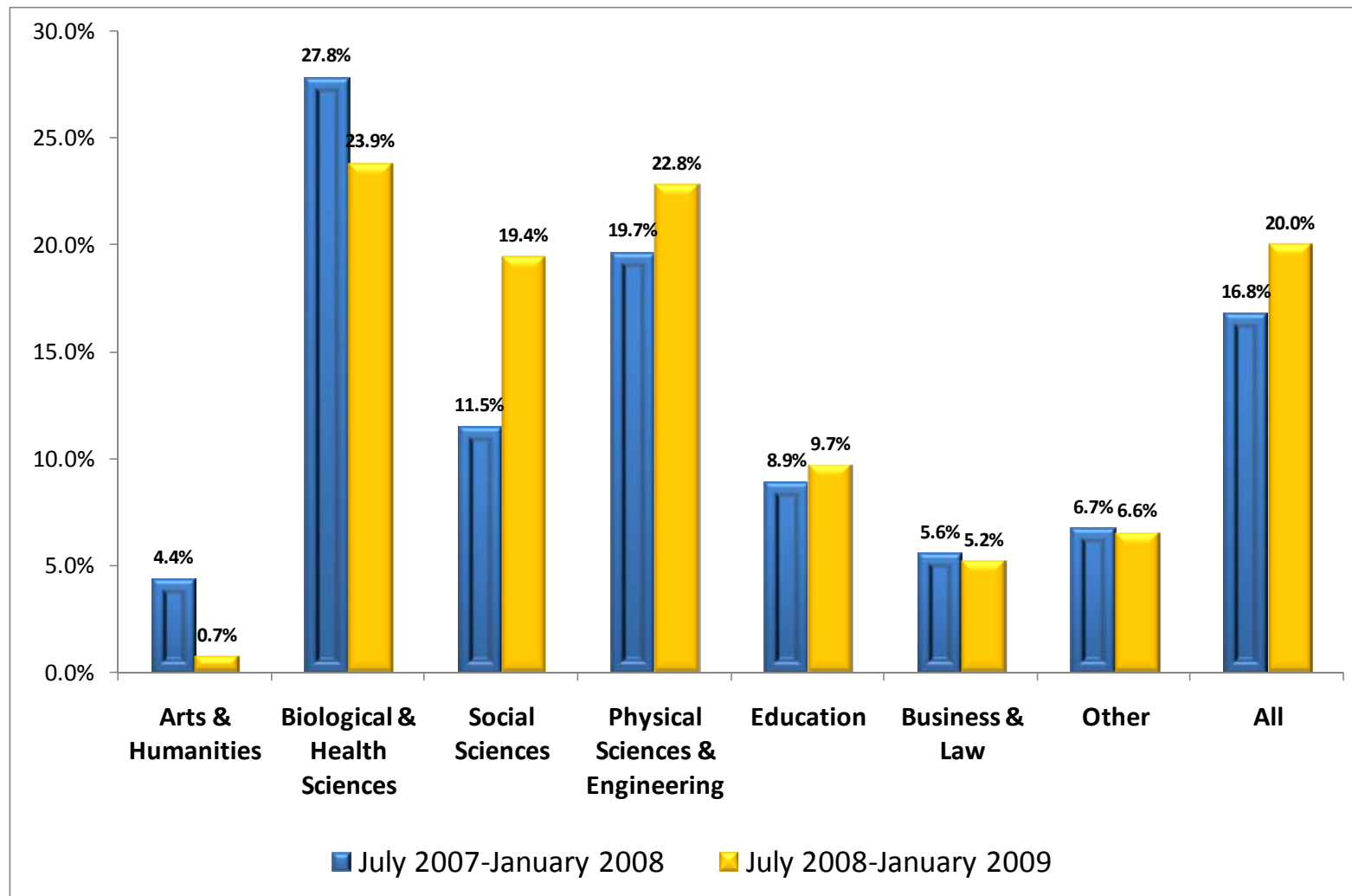
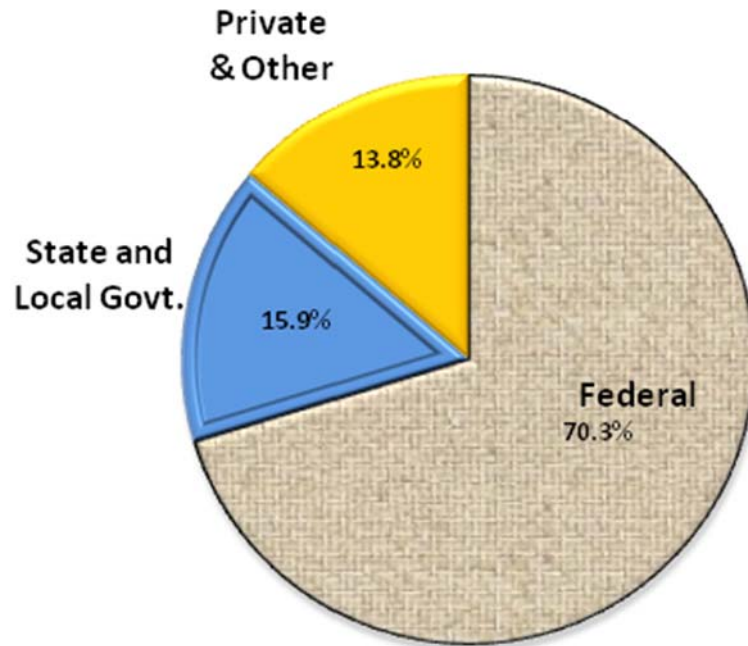


Figure 10 - Major Sources of Funding

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July 2007-January 2008



July 2008-January 2009

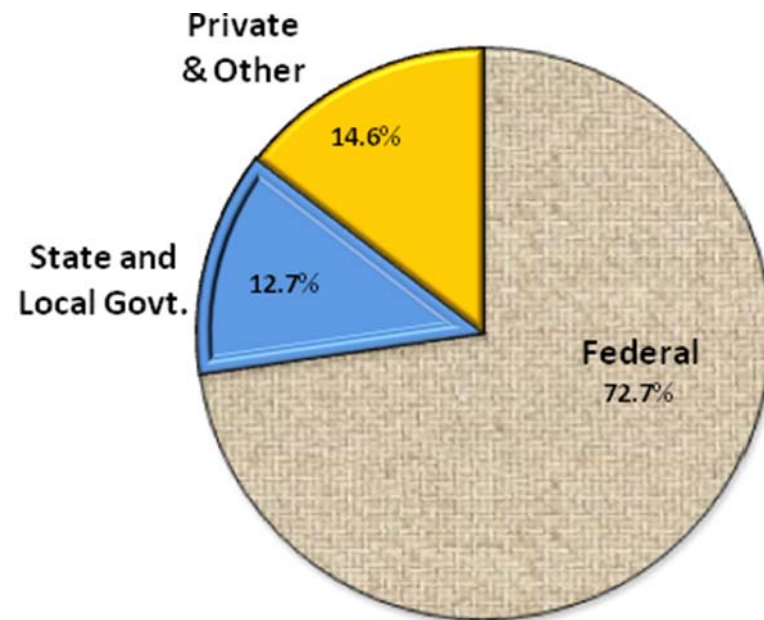


Table 2 - Comparison of Applications Submitted Between FY 2008 and FY 2009

College/School/Center/Division	JULY -JANUARY 2008			JULY - JANUARY 2009			% change
	Direct	Indirect	Total	Direct	Indirect	Total	
Academic Affairs	\$162,213	\$14,739	\$176,952	\$149,961	\$0	\$149,961	-15.25%
Applied Research Center (ARC)	\$2,429,854	\$873,226	\$3,303,080	\$6,886,256	\$2,113,211	\$8,999,467	172.46%
International Hurricane Research Center (IHRC)	\$12,977,161	\$895,857	\$13,873,018	\$1,004,722	\$155,868	\$1,160,590	-91.63%
The Wolfsonian Museum	\$269,481	\$34,615	\$304,096	\$1,071,095	\$23,655	\$1,094,750	260.00%
Undergraduate Studies	\$2,579,719	\$0	\$2,579,719	\$0	\$0	\$0	-100.00%
University Libraries	\$275,535	\$80,822	\$356,357	\$115,413	\$29,019	\$144,432	-59.47%
College of Architecture & The Arts	\$115,617	\$0	\$115,617	\$138,640	\$14,648	\$153,288	32.58%
Frost Art Museum	\$26,800	\$0	\$26,800	\$65,000	\$0	\$65,000	58.77%
College of Arts & Sciences	\$30,705,321	\$6,952,597	\$37,657,918	\$29,980,839	\$8,570,403	\$38,551,242	2.37%
Cuban Research Institute (CRI)	\$363,055	\$34,435	\$397,490	\$0	\$0	\$0	-100.00%
Metropolitan Center	\$610,253	\$90,179	\$700,432	\$565,128	\$142,343	\$707,471	1.00%
Center for Transnational and Comparative Studies	\$13,616	\$0	\$13,616	\$0	\$0	\$0	-100.00%
Latin American and Caribbean Center (LACC)	\$0	\$0	\$0	\$63,147	\$0	\$63,147	100.00%
Southeast Environmental Research Center (SERC)	\$5,701,861	\$1,167,767	\$6,869,628	\$4,767,047	\$1,279,443	\$6,046,490	-11.98%
College of Business Administration	\$492,550	\$177,241	\$669,791	\$115,686	\$38,566	\$154,252	-76.97%
College of Education	\$10,543,087	\$1,434,678	\$11,977,765	\$4,933,617	\$678,033	\$5,611,650	-53.15%

Table 2 - Comparison of Applications Submitted Between FY 2008 and FY 2009

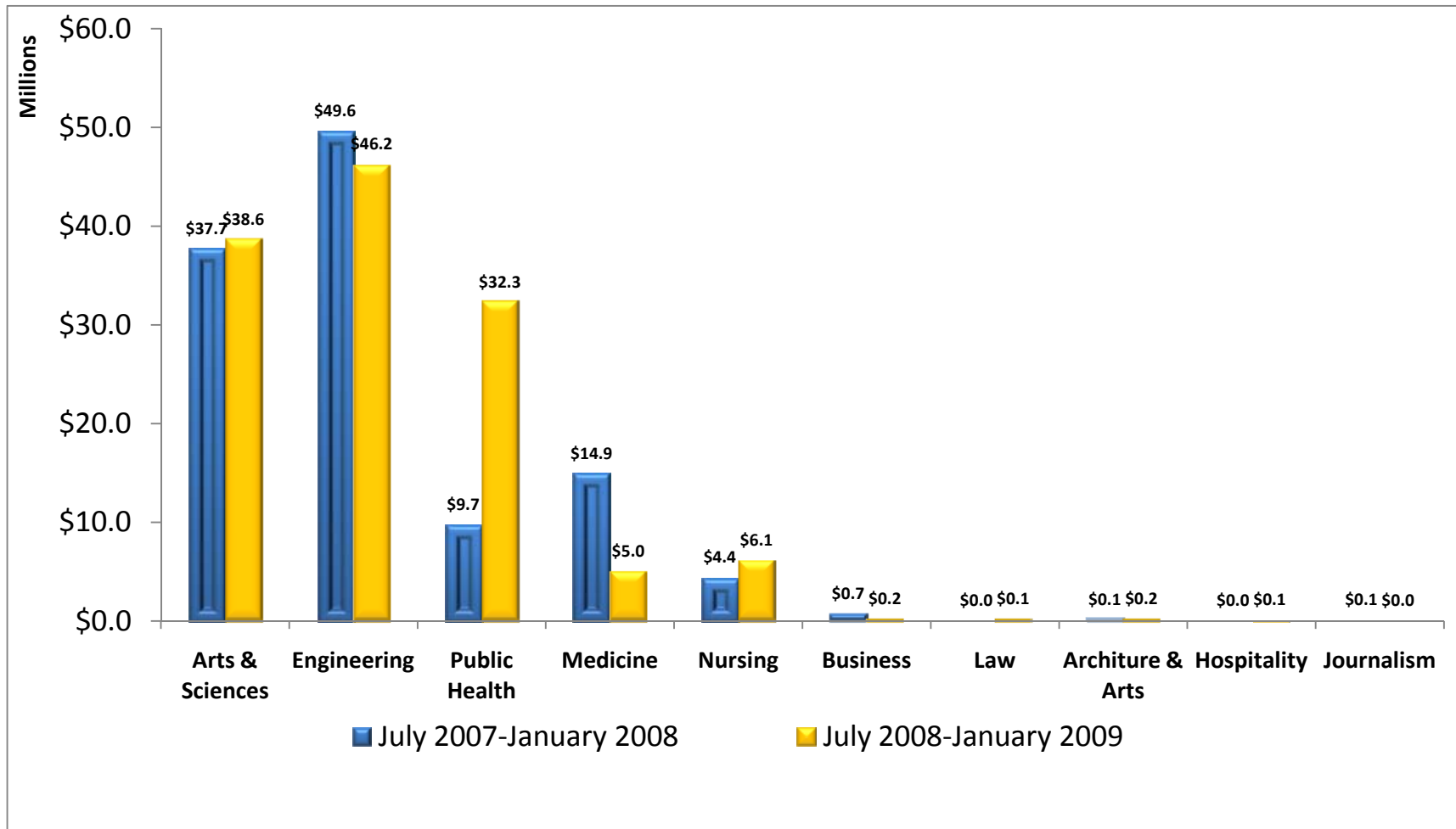
College/School/Center/Division	JULY -JANUARY 2008			JULY - JANUARY 2009			% change
	Direct	Indirect	Total	Direct	Indirect	Total	
Center for Labor Research & Studies (CLRS)	\$136,528	\$10,239	\$146,767	\$136,308	\$12,692	\$149,000	1.52%
College of Engineering & Computing	\$40,625,522	\$8,985,720	\$49,611,242	\$36,128,661	\$10,114,178	\$46,242,839	-6.79%
College of Law	\$25,000	\$0	\$25,000	\$142,268	\$0	\$142,268	82.43%
College of Medicine	\$13,774,998	\$1,109,998	\$14,884,996	\$3,654,818	\$1,304,108	\$4,958,926	-66.69%
College of Nursing & Health Sciences	\$3,788,056	\$610,508	\$4,398,564	\$4,579,683	\$1,486,766	\$6,066,449	37.92%
College of Public Health & Social Work	\$7,489,088	\$2,248,223	\$9,737,312	\$24,075,663	\$8,193,188	\$32,269,045	231.40%
Division of Student Affairs	\$1,249,924	\$92,410	\$1,342,334	\$190,647	\$14,700	\$205,347	-84.70%
Division of University Advancement	\$185,000	\$0	\$185,000	\$0	\$0	\$0	-100.00%
School of Hospitality & Tourism Management	\$0	\$0	\$0	\$95,750	\$0	\$95,750	100.00%
School of Journalism & Mass Communication	\$66,603	\$3,570	\$70,173	\$20,755	\$3,632	\$24,387	-65.25%
University Technology Services	\$112,506	\$22,494	\$135,000	\$3,964,697	\$1,060,304	\$5,025,001	3622.22 %
CIARA	\$0	\$0	\$0	\$5,351,716	\$1,333,719	\$6,685,435	100.00%
TOTAL¹	\$127,894,035	\$24,839,318	\$159,558,667	\$122,665,887	\$36,568,476	\$164,766,187	3.26%
Effective/average indirect cost rate	19.42%			29.81%			

¹ Total excludes Centers/Institutes under the College of Arts and Sciences

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Figure 11 - Applications by College—Change between FY 2008 and FY 2009

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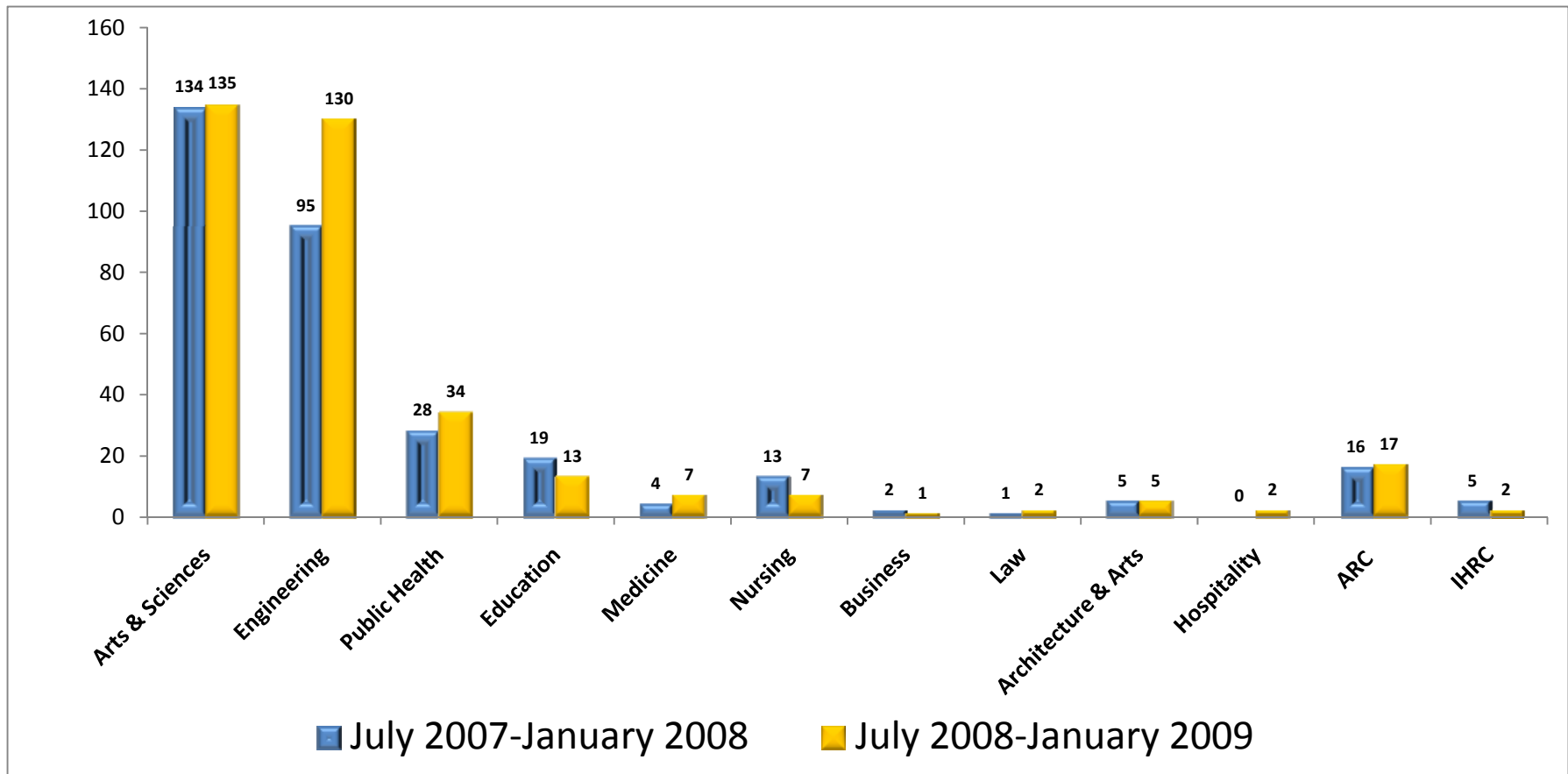


Notes:

- Total Application amounts increased by 3.26%
- Average Indirect Rate increased from 19.42% to 29.81%

Figure 12 – Number of Applications by College & Major Centers: Change Between FY 2008 & FY 2009

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Note: Number of applications increased 9.7% (from 350 to 384)

Table 3 - Comparison of Expenditures Between FY 2008 and FY 2009

College/School/Center/Division	July-December 2008	July-December 2009	% change
	Total	Total	
College of Architecture & the Arts	\$78,806	\$82,343	4.49%
College of Arts & Sciences	\$15,973,306	\$13,204,887	-17.33%
College of Business Administration	\$895,722	\$526,695	-41.20%
College of Education	\$1,999,836	\$1,825,490	-8.72%
College of Engineering and Computing	\$6,672,857	\$7,255,112	8.73%
College of Law	\$160,253	\$162,313	1.29%
College of Medicine	\$564,171	\$579,298	2.68%
College of Nursing and Health Sciences	\$1,545,155	\$1,180,615	-23.59%
College of Public Health and Social Work	\$4,507,743	\$4,020,902	-10.80%
School of Hospitality and Tourism Management	\$0	\$75,000	100.00%
School of Journalism and Mass Communication	\$62,257	\$251,337	75.23%
Applied Research Center (ARC) ¹	\$3,563,427	\$2,654,256	-25.51%
International Hurricane Center (IHC) ¹	\$2,222,035	\$3,257,727	46.61%
Southeast Environmental Research Center (SERC) ¹	\$3,743,166	\$3,361,653	-10.19%
Office of Research	\$338,476	\$6,500	-98.08%
Academic Affairs	\$473,209	\$500,154	5.69%
Division of Finance and Administration	\$69,716	\$77,871	11.70%
Division of Student Affairs	\$916,939	\$941,618	2.69%
Division of University Advancement	\$0	\$59,491	100.00%
University Technology Services, CIARA	\$1,149,352	\$565,514	-50.80%

¹ Expenditures from Principal Investigators with faculty positions in Colleges are counted for the respective Colleges as well as the Center.

Total Expenditures

TOTAL - December 31, 2008	\$39,951,125	\$35,658,112	-10.75%
TOTAL - January 31, 2009²	\$45,476,111	\$41,578,897	-8.57%

² Detailed expenditures for January 2009 were not available at the time of publication, only the total was available.

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Figure 13 - Proportion of Grants with Account Set-up in Five or Fewer Working Days

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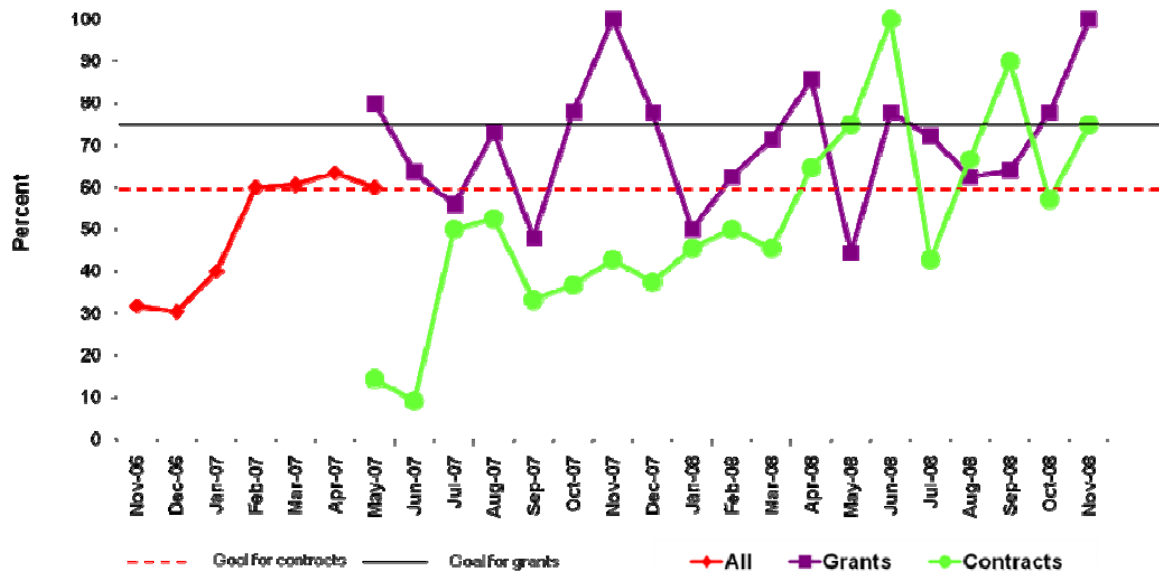


Figure 14 - Proportion of Grants with Account Set-up in Ten or Fewer Working Days

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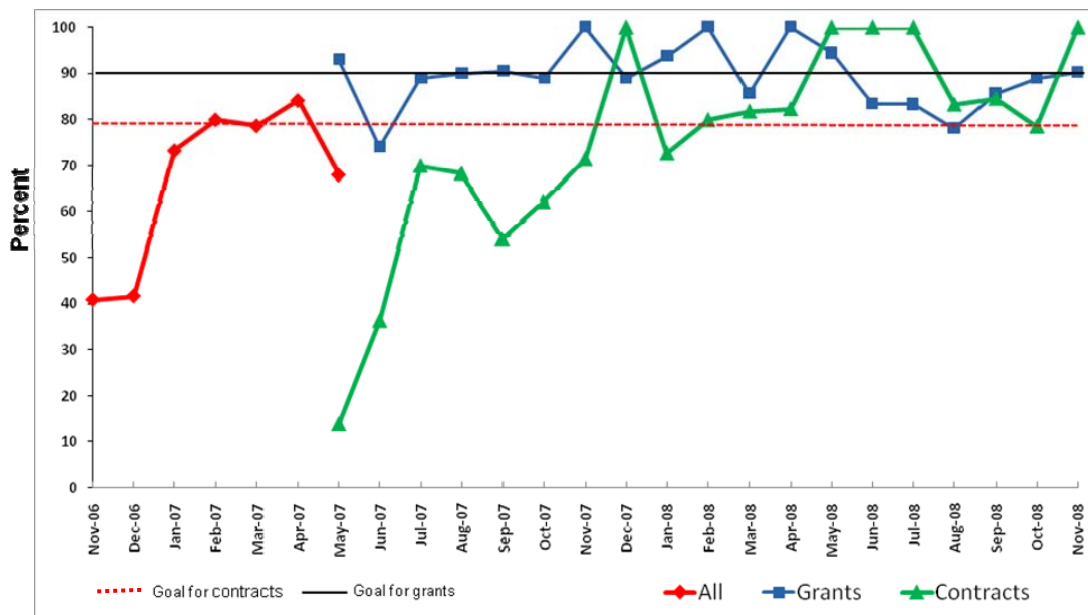


Figure 15 - Average Working Days from Incoming Grant Award to Final Account Set-up

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