

1890 CBGP 2008

# 1890 Institutions Teaching and Research Capacity Building Grants Program

*Kirkland Mellad*

*Vice Chancellor for Research*

And

**Gina Eubanks**

**Vice Chancellor for Extension**

July 15, 2008



**Southern University Agricultural Research and Extension Center**

## 1890 Institution Teaching and Research Capacity Building Grants Program

### **Purpose:**

To strengthen teaching and research programs in the food and agricultural sciences by building teaching and research institutional capacity at 1890 Land-Grant Universities.

# Background

Established in 1990, the Capacity Building Grants Program addresses the need to:

1) Attract more students from under-represented groups into the food and agricultural sciences;

2) Expand the linkages among the 1890 institutions and with other colleges and universities;

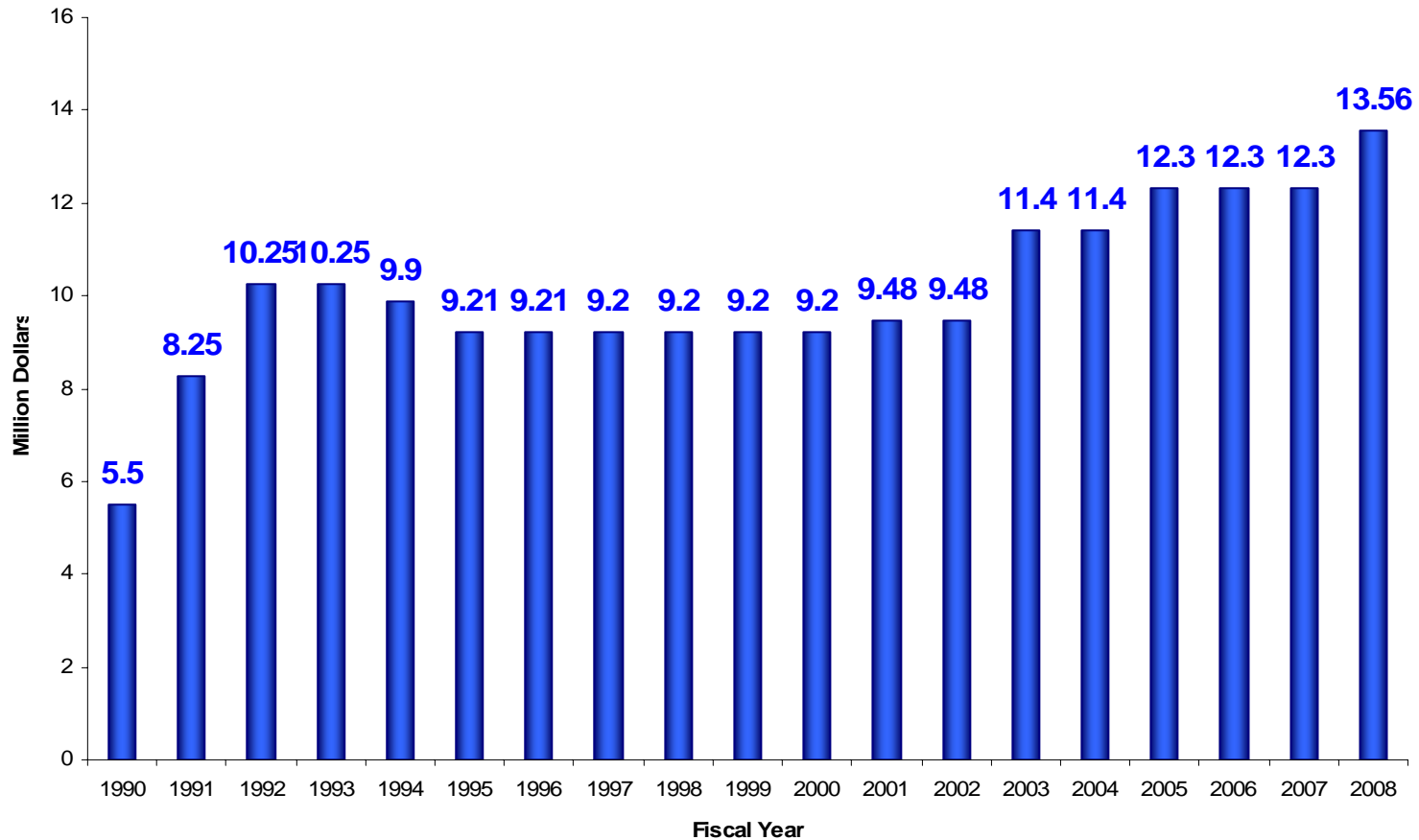
## Background contd.

- 3) Strengthen the teaching and research capacity of the 1890 Land-Grant Universities to more firmly establish them as full partners in the food and agricultural sciences and education system.

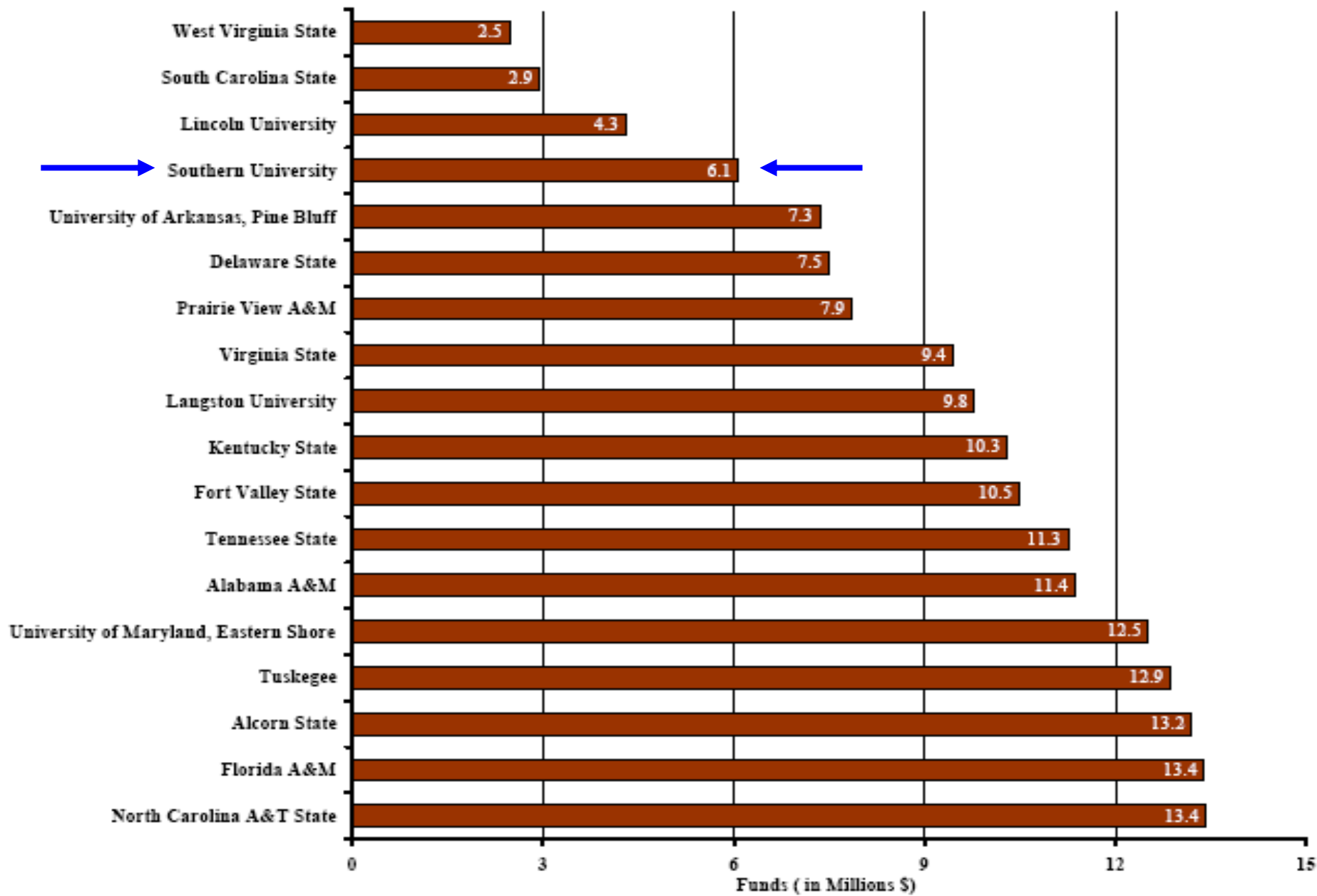
*A primary goal of the program is to build partnerships and collaborations between USDA agencies and the 1890 Land-Grant Universities.*

# 1890 CBGP 2008

## 1890 Capacity Building Grants Program, Years 1990-2008 Appropriations History



## 1890 Capacity Building Grants Program Funds Distribution FY 1990-2007



# 1890 CBGP 2008

## 1890 Capacity Building Grants Program Years 1990-1998 Appropriations

INSTITUTIONS	1990	1991	1992	1993	1994	1995	1996	1997	1998
Alabama A&M	\$513,852	\$714,264	\$985,736	\$984,292	\$833,623	\$276,449	\$875,298	\$880,000	\$179,843
Tuskegee	\$281,723	\$707,949	\$977,765	\$945,119	\$943,142	\$871,782	\$772,115	\$539,962	\$711,978
University of Arkansas, Pine Bluff	\$347,086	\$309,331	\$401,522	\$343,480	\$491,939	\$253,030	\$379,047	\$569,414	\$426,079
Delaware State	\$50,000	\$157,500	\$240,694	\$559,669	\$347,948	\$180,000	\$696,440	\$227,773	\$180,000
Florida A&M	\$677,181	\$714,600	\$987,607	\$975,112	\$225,000	\$882,821	\$717,100	\$795,145	\$880,000
Fort Valley State	\$360,884	\$125,846	\$565,500	\$297,500	\$250,529	\$440,915	\$261,099	\$880,000	\$826,230
Kentucky State	\$540,538	\$440,314	\$328,000	\$878,559	\$872,742	\$276,317	\$866,390	\$298,615	\$632,448
Southern University	\$497,356	\$406,603	\$202,500	\$373,600	\$821,779	\$276,434	\$279,493	\$193,673	\$554,854
Univ. of Maryland, ES	\$771,725	\$435,255	\$452,439	\$677,564	\$202,491	\$882,821	\$619,124	\$394,280	\$880,000
Alcorn State	\$50,000	\$936,857	\$1,378,950	\$850,593	\$899,796	\$896,796	\$826,981	\$399,758	\$279,785
Lincoln University	\$237,969	\$115,954	\$597,863	\$136,651	\$954,480	\$0	\$0	\$419,200	\$0
North Carolina A&T State	\$154,154	\$714,599	\$602,278	\$1,008,678	\$640,322	\$882,821	\$852,514	\$637,267	\$532,782
Langston University	\$50,000	\$626,368	\$987,607	\$834,282	\$0	\$882,821	\$461,699	\$813,805	\$538,733
South Carolina State	\$168,570	\$0	\$0	\$0	\$0	\$0	\$0	\$399,394	\$0
Tennessee State	\$338,900	\$584,472	\$314,857	\$339,152	\$651,976	\$828,546	\$290,213	\$0	\$808,894
Prairie View A&M	\$177,162	\$314,991	\$566,496	\$467,536	\$730,057	\$180,000	\$0	\$747,977	\$712,433
Virginia State	\$50,000	\$628,469	\$274,543	\$152,953	\$634,534	\$788,731	\$389,082	\$567,547	\$624,707
West Virginia State	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Received Funds</b>	<b>\$5,267,100</b>	<b>\$7,933,372</b>	<b>\$9,864,357</b>	<b>\$9,824,740</b>	<b>\$9,500,358</b>	<b>\$8,800,284</b>	<b>\$8,286,595</b>	<b>\$8,763,810</b>	<b>\$8,768,766</b>

**Southern University Agricultural Research and Extension Center**

# 1890 CBGP 2008

## 1890 Capacity Building Grants Program Years 1999-2007 Appropriations

INSTITUTIONS	1999	2000	2001	2002	2003	2004	2005	2006	2007
Alabama A&M	\$812,110	\$0	\$782,647	\$785,524	\$890,795	\$591,368	\$766,199	\$493,168	\$0
Tuskegee	\$755,357	\$376,475	\$560,014	\$796,439	\$200,000	\$380,353	\$999,553	\$969,151	\$1,074,053
University of Arkansas, Pine Bluff	\$197,475	\$350,029	\$0	\$571,832	\$578,663	\$199,734	\$631,699	\$899,017	\$399,543
Delaware State	\$179,100	\$366,305	\$725,336	\$399,832	\$352,610	\$594,265	\$399,027	\$761,486	\$1,074,480
Florida A&M	\$198,988	\$854,514	\$799,192	\$738,641	\$988,492	\$873,905	\$1,112,142	\$199,118	\$775,945
Fort Valley State	\$845,325	\$828,320	\$629,383	\$494,900	\$497,975	\$921,449	\$907,908	\$499,191	\$853,597
Kentucky State	\$429,374	\$429,854	\$789,683	\$334,374	\$884,396	\$283,953	\$660,142	\$677,732	\$672,005
Southern University	\$636,516	\$179,998	\$0	\$199,865	\$460,996	\$189,758	\$0	\$395,656	\$399,919
Univ. of Maryland, ES	\$478,884	\$857,612	\$880,000	\$199,868	\$886,338	\$892,070	\$960,246	\$1,089,416	\$956,992
Alcorn State	\$497,294	\$527,407	\$796,443	\$800,000	\$968,536	\$982,404	\$398,739	\$760,338	\$947,759
Lincoln University	\$153,234	\$487,832	\$0	\$392,913	\$393,698	\$0	\$0	\$299,639	\$100,989
North Carolina A&T State	\$664,784	\$841,830	\$861,703	\$789,173	\$692,796	\$891,039	\$1,095,593	\$968,197	\$588,966
Langston University	\$860,000	\$859,972	\$0	\$0	\$300,000	\$1,000,000	\$600,000	\$190,100	\$778,456
South Carolina State	\$495,648	\$180,000	\$614,830	\$0	\$198,483	\$398,708	\$199,085	\$294,818	\$0
Tennessee State	\$645,443	\$615,567	\$384,016	\$777,818	\$999,801	\$937,280	\$1,093,406	\$946,200	\$695,875
Prairie View A&M	\$101,882	\$423,727	\$483,071	\$700,000	\$598,097	\$493,958	\$394,933	\$298,691	\$459,619
Virginia State	\$446,604	\$320,638	\$449,765	\$800,000	\$497,207	\$698,969	\$299,999	\$1,083,861	\$735,815
West Virginia State	\$0	\$0	\$0	\$0	\$198,332	\$209,944	\$799,857	\$299,897	\$959,380
<b>Total Received Funds</b>	<b>\$8,398,018</b>	<b>\$8,500,079</b>	<b>\$8,756,084</b>	<b>\$8,781,179</b>	<b>\$10,587,215</b>	<b>\$10,539,157</b>	<b>\$11,318,528</b>	<b>\$11,125,676</b>	<b>\$11,473,393</b>

**Southern University Agricultural Research and Extension Center**

# Proposals Submitted FY '07-'08

	Regular		Joint		Total	
	2007	2008	2007	2008	2007	2008
Research	100	42	33	23	133	65
NIEI*	0	3	N/A		0	3
Teaching	66	39	5	0	71	39
YFEI**	0	2	N/A	NA	0	2
<b>Total</b>	<b>166</b>	<b>86</b>	<b>38</b>	<b>23</b>	<b>204</b>	<b>109</b>

\* NIEI = New investigator Enhancement Initiative

\*\* YFEI = Young Faculty Enhancement Initiative

# What Are the Changes in FY 2008 RFA?

**Four major changes are made in this RFA:**

- New funding category is added;
- Number of proposals submitted by an institution is restricted to eight applications;
- Eligibility of the PD is restricted based on the number of active grants (2) received from the CBG Program; and
- Required alignment of application with institution Goals and Objectives.

# What has happened this Year?

- Some schools submitted more than 8 applications
  - Only first 8 proposals were accepted
- Majority of the applications were submitted on Friday, Feb 15<sup>th</sup> (Deadline). A few applications were submitted after 5 PM deadline.
- Some applications were missing documentation such as Collaborator's letter, Letter of support, budget form and justification, and in one case, proposal narrative was missing.

## What has happened this Year? continued

- **Institutions should check the applications for completion as well as correct documentation prior to submission.**
- **Many applicants used program code and discipline codes incorrectly.**
- **Only three new investigator and two young faculty enhancement initiative applications were submitted.**

## What has happened this Year? continued

- **Many teaching applications lacked innovation. Attention should be given to enhance their quality.**
- **Some applications were submitted as if they were prepared according to the last year's RFA.**

## **What has happened this Year?** continued

- **Grants.gov system did not accept some applications and sent a notice to AR and PD.**
- **Some applications were not submitted in PDF format and were rejected. This is why we need accurate contact info in Grants.gov.**

## What has happened this Year? continued

- Wrong e-mail addresses were entered by certain institutions as a part of applicants' profile. **Please be sure that the e-mail addresses are entered correctly.**
- Many institutions submitted proposal on the deadline date leaving no time for needed modification.

## **What has happened this Year?** Continued **Points of Interest**

- Upon completing submission of all applications, Institutions are encouraged to e-mail or fax the list of the submitted proposals to the NPLs **(Mohamed/Grosser)** to track applications in the system.
- The list should include: PD's name, Proposal title, grant number provided by grants.gov.

# Issues and Challenges

- **Reporting:**
  - Progress
  - Final
  - Financial ( SF269 )
- Impact
- Quality of Applications
- Building capacity and long-range strategic planning

## **Reporting Requirements:**

- **Annual Performance Report (Due 90 days after completion of first year of project, annually thereafter).**
- **Final Performance Report (Due 90 days after the expiration date of the project).**
- **Grantees are required to submit initial project information and annual and summary reports to CSREES' Current Research Information System (CRIS).**
- **Attention should be given to submission deadline and quality of the submitted reports.**

## Reporting Requirements contd.

- Number of students working on the project (graduates, undergraduates, high school...etc).
- Products such as publications, presentations, patents, workshops, developed courses (sample syllabi), developed and modified curriculum.
- Funds used for student training or other activities, as well as the funds used to purchase equipment.

## Reporting Requirements contd.

- These reports are used for congressional hearing, and budget development purposes.
- Submission of reports in a timely manner is essential for program success.

# Reporting Requirements contd.

## **Guidelines for Preparing Termination Reports:**

1. A comparison of actual project accomplishments with the project's original goals.
2. A description of any products and outcomes resulting from the project.
3. A description of partnerships and collaborative ventures.

# Reporting Requirements contd.

## Guidelines for Preparing Termination Reports contd.

1. Brief description of planned future initiatives as related to the continuation of the terminated project.
2. Impacts affecting Project Director(s), students, institution, and the food and agricultural sciences higher education or employment system.

# The Impact Statement

- **Is very important because:**
  - Used for appropriation reports
  - Used for announcement and publicity
  - Used to prepare speeches for USDA administrators
  - Used to Prepare accomplishment portfolio for the program
  - Others

# Convincing Impacts Should Be:

- **Short, concise, and comprehensive**
- **No more than four or five short sentences**
- **Simple to understand**
- **Have public and National value**
- **Free of typos and grammatical errors**
- **Very narrow in scope**

# “Quality” Impacts - Example 1

- A Model to Reduce Dependence on Oil: Researchers developed a model of the market for gasoline, its additives and substitutes specifically to analyze the market for ethanol.
- The model develops an indicator of competitive position, the cost difference between ethanol imports from Brazil and domestic production in the United States under ideal conditions without tariffs in the ethanol market.
- The model shows that biomass fuel could replace 20 percent of current gasoline usage without major land conversion and about 45 percent of current usage with land conversion.

## “Quality” Impacts – Example 2

- Researchers cloned a gene, GPO-B 1, from wild wheat that increases the protein, zinc and iron content in the grain, offering a potential solution to nutritional deficiencies affecting hundreds of millions of children around the world.
- They found all commercial pasta and bread wheat varieties analyzed so far have a nonfunctional copy of the GPO gene, suggesting the gene was lost during the domestication of wheat.
- Reintroducing the functional gene into commercial wheat varieties could increase their nutritional value.

## “Quality” Impacts – Example 3

- Research at Kentucky State University has shown that screened bottom boards eliminate many live Varroa mites from beehives.
- Over a 15-month period, Varroa mites were reduced by 57% with the use of this equipment.

## Use of Funds and other Changes

- **PDs must follow Terms and Conditions as outlined in the RFA to insure approval of their requested changes.**
- **Changes in approved goals or objectives must be approved by CSREES before implementation. Goals must be consistent with scope of original approved project.**

## Use of Funds and other Changes contd.

- Changes in approved PD, replacement or reassignment of other key personnel must be approved by CSREES.
- Second Project extension and changes in project Budget must be requested by the awardee and approved by CSREES before instituting such changes.

# Budget Management

- **Timely expenditure of Award Funds**
- **Unused Award Balances**
- **Budget Modification at end of Award**

# Budget Management contd.

## Teaching – Southern University

Award #	Expiration date	Balance
2004-38820-15145	8/31/2007	\$1,041.41
2004-38820-15130	9/14/2008	47,822.54
2003-38820-14067	9/14/2006	1,465.13
2005-38820-16399	8/31/2008	4,313.05
2007-38820-18508	9/14/2010	178,897.70
2007-38820-18566	8/31/2009	184,764.00
<b>TOTAL</b>		<b>\$418,303.83</b>

# Proposal Development and Evaluation Processes

## **Step by Step**

**STEP I: Discussion regarding proposal concept among Project Director (PD) and appropriate administrative personnel i.e. Program Leader, Dean, and Vice Chancellors (April - May).**

**STEP II: Project Identification and Identification of USDA Cooperator (May –June).**

**STEP III: Preparation of Proposal (July - September).**

**STEP IV: Initial review of Proposal within unit of origination and appropriate administrative personnel i.e. Program Leader, Dean, and Vice Chancellors (End of September).**

# Proposal Development and Evaluation Processes

## Step by Step continued

**STEP V: Program leader and/or Specialist submits proposal through appropriate channels to the Associate Research Director for review (2nd week in October).**

**STEP VI: The Associate Research Director and Vice Chancellor briefly review each proposal for adherence to the mission and goals of SUAREC and then submit it to the chair of the Proposal Review and Evaluation Committee (PREC) for a detailed peer review (2nd week in October).**

# Proposal Development and Evaluation Processes

## Step by Step continued

STEP VII: Following review by the PREC, the proposal is returned by the Chair of the PREC to the (PD) for any modifications deemed necessary (2nd week in November).

STEP VIII: The PD makes recommended changes and resubmits the proposal to the chair of the PREC (Last week in November).

- STEP IX: If changes to the proposal are acceptable, the chair of PREC will submit the proposal to the associate research director (First week in December).

# Proposal Development and Evaluation Processes

## Step by Step continued

**STEP X: The associate research director initiates steps to secure on-campus letters of support and other support that could enhance the chance of getting the proposal funded (2nd week in December).**

**STEP XI: The associate research director submits the proposal to SUAREC's budget office for budgetary review and approval. (1st week in January).**

# Proposal Development and Evaluation Processes

## Step by Step continued

STEP XII: The Associate Research Director then submits the proposal to the Vice Chancellor for research or Vice Chancellor for extension, based on the project director and nature of the proposal, for approval and to the Chancellor of SUAREC for final approval (2nd week in January).

STEP XIII: The associate research director retrieves all proposals from the Chancellor's office and coordinates the final submission process to CSREES in Washington, DC to meet the receipt date of January 31st.

## FY 2008\_1890 Capacity Building Grant Program Awards

<b>Name of PD</b>	<b>Title</b>	<b>Amount \$</b>
<b>K. Abdollahi</b>	Enhancing the Teaching Capacity of Urban Forestry Program at Southern University and A&M College	Not Available
<b>C. Walker</b>	SALVAGING CRAW-CRAB OFFAL IN ORGANIC PRODUCTION SYSTEMS (SCOOPS)	\$269,685

## FY 2008\_1890 Capacity Building Grant Program Awards

<b>Name of PD</b>	<b>Title</b>	<b>Amount \$</b>
<b>Yadong Qi</b>	Application of Nanotechnology in Forest Health Management	448,877
<b>Kit Chin</b>	Adaptability, Flavonoid Properties and Value Addition of Hibiscus sabdariffa	450,000
<b>Total</b>		<b>1,168,562</b>

**Thank You!**

**Questions?**

