University Planning and Metrics

2011 Board Retreat and Other Planning

The 21st Century University

Health care Reform and Its Potential Impact on the Academic Medical Center: UK HealthCare

Master Plan Update: Meeting with our Neighbors



# University Planning and Metrics

Reviewing our Existing Plans



#### 150 Years of Excellence and Perseverance

- Sacred century-and-a-half mission and transformative leadership in the state and region.
- Uncommon depth and breadth of academic programs that support interdisciplinary work
- Decisions have never been more important and carry long-term implications



#### SACS Reaffirmation

- 3.3.1 The institution identifies expected outcomes, assesses the extent to which it achieves these outcomes, and provides evidence of improvement based on analysis of the results in each of the following areas:
  - Education programs, to include student learning outcomes,
  - Administrative support services
  - Academic and student support services
  - Research within its mission
  - Community/public service within its mission

#### **APRIL 9-11, 2013**



# 2009-2014 Strategic Plan

**Goal I:** Prepare Students for Leading Roles in an Innovation-driven

Economy and Global Society. (11 metrics)

**Goal II:** Promote Research and Creative Work to Increase the

Intellectual, Social, and Economic Capital of Kentucky and the

World Beyond Its Borders. (5 metrics)

**Goal III:** Develop the Human and Physical Resources of the University to

Achieve the Institution's Top 20 Goals. (7 metrics)

**Goal IV:** Promote Diversity and Inclusion. (6 metrics)

**Goal V:** Improve the Quality of Life of Kentuckians through

Engagement, Outreach, and Service. (3 metrics)



# 2009-2014 Strategic Plan

Summary of progress on Strategic Plan Goals:

- Achieved = 7
- Some Progress = 13
- In Progress = 6
- No Progress = 6



# 2012-13 Operating Budget

	T ,			Goal 3:		
Area	Investment	(foal 1	Goal 2:	Faculty, Staff	Goal 4:	Goal 5:
	(in thousands)	Students	Research	and Facilities	Diversity	Service
Faculty investments (promotions & fighting fund)	\$1,108	X	X	X	X	X
Benefits*	(\$2,928)	X		X		X
Student Scholarship Investments	\$10,328	X	X		X	X
Academic Readiness	\$530	X				
Development staffing initiative	\$675	X		X		
Emergency preparedness/planning	\$120	X		X		
Enrollment Management investments	\$1,814	X				
Information technology investments	\$750	X	X	X		
Quality Enhancement Program / SACS	\$285	X				
TIIF and Summer	\$2,150	X	X	X		X
Facility M&O	\$1,041	X	X	X		
Capital renewal	\$1,000			X		
Capital debt service pool	\$5,000	X	X	X		X
Other	\$139			X		
Total Net Investments	\$22,012					

<sup>\*</sup>Benefits credit is a result of net of a savings created from an updated rate calculation. Employee benefit package was not reduced.

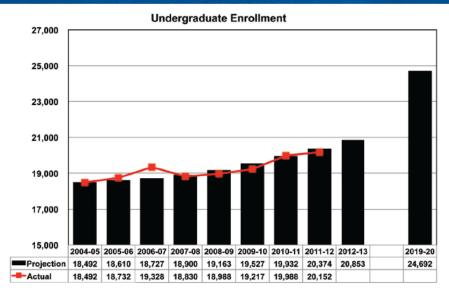


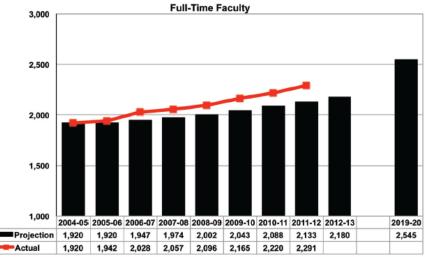
# Top 20 Business Plan vs. Reality

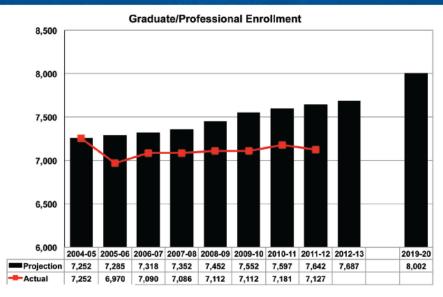
Top 20 Business Plan General Revenue Funds (in millions)

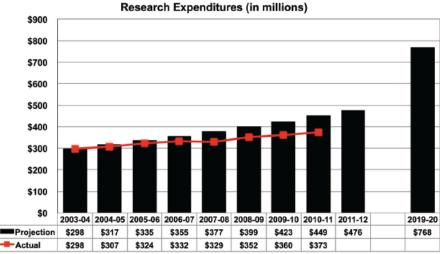
	Top 20 Business Plan		<u>Reality</u>	<u>Difference</u>
	2006	2013	2013	
State Appropriations	\$314	\$452	\$284	(\$168)
Tuition and Fees	194	354	339	(15)
Investment Return	8	13	2	(11)
County Appropriations	12	15	19	4
Gifts	1	9	2	(7)
Grants and Contracts	90	116	177	61
IDC	43	62	45	(17)
Other	40	49	46	(3)
Sales and Services	21	26	22	(4)
Carryforwards	27	32	119	87
Hospital	466	590	977	387
Total Budget	\$1,216	\$1,718	\$2,032	\$314













### Smart Growth: Distribution of Effort

USNWR Ranking and Public University	Student-to-Faculty Ratio
1. University of California (Berkeley)	17:1
2. University of California (Los Angeles)	17:1
3. University of Virginia	16:1
4. University of Michigan	16:1
5. University of North Carolina	14:1
6. College of William and Mary	12:1
7. Georgia Tech University	17:1
8. University of California (Davis	16:1
9. University of California (San Diego)	19:1
10. University of Wisconsin (Madison)	17:1
University of Kentucky	17.5:1

Source: IPEDS Instructional Faculty



# Questions & Comments

UK Board of Trustees Fall 2012 Retreat



# 2011 Board Retreat and Other Planning: Recap and Progress

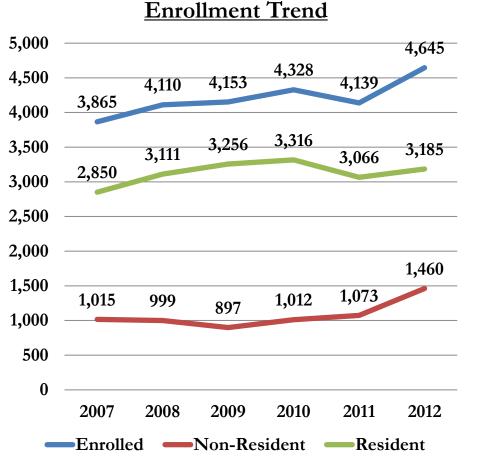
Ensuring Kentucky's Promise



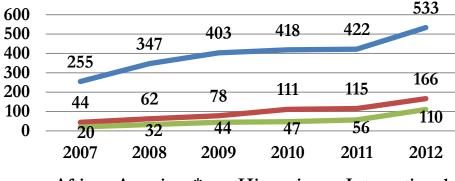
- Enhance and expand the undergraduate educational experience in terms of student quality, academic programming, and opportunities for more Kentuckians and students from other states and background to learn and grow at the University.
- Renew and rebuild the core of the nearly 150-year-old campus.
- Affordability and Access
- Work/Life Environment



#### Student Success – Fall 2012 Class

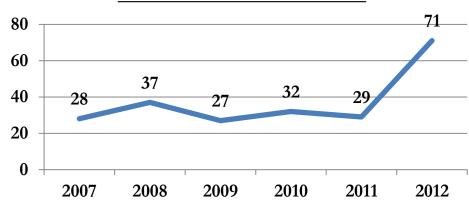


#### **Underrepresented Student Enrollment**



•African American\* — Hispanic — International

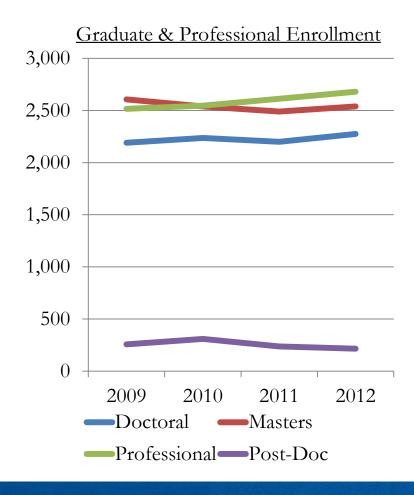
#### National Merit Scholars\*\*

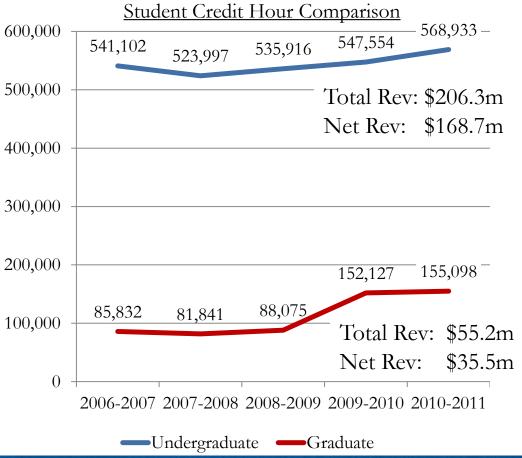




\*Number includes students who reported two or more races, one of which was "Black or African American."

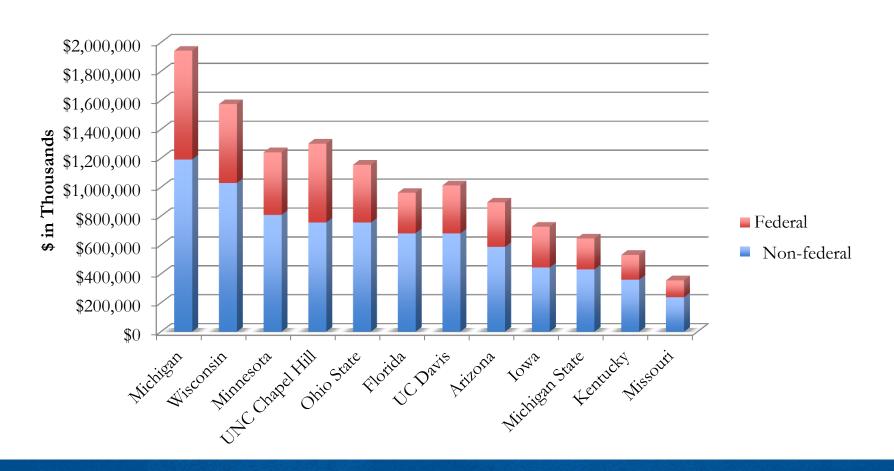
#### Student Success – Graduate School







# FY 2010 R&D Expenditures





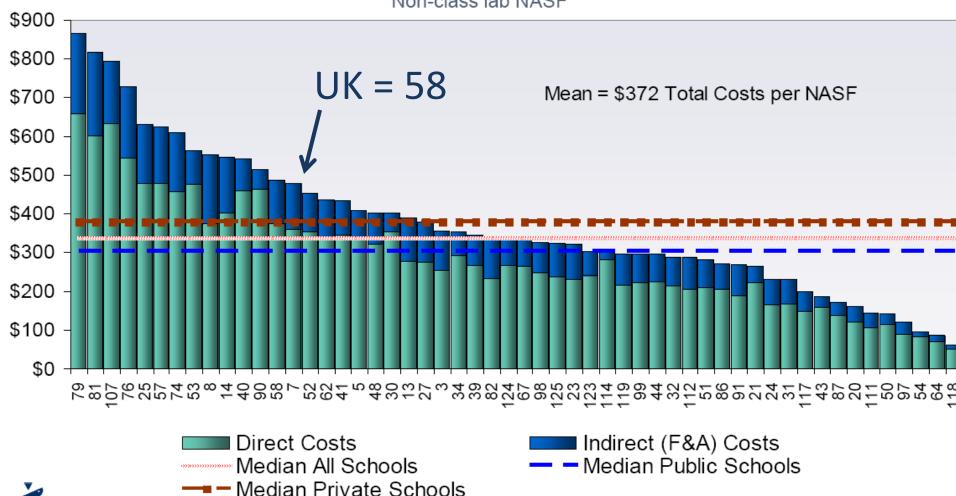
#### Research Metric 3: Sponsored Programs Expenditures per Net Assignable Square Foot (NASF)

Purpose: Reflects productivity of research space

**Higher Number is Favorable** 

Formula: Sponsored Programs "Recorded" Expenditures

Non-class lab NASF





# Student Success – Campus Safety

The \$4.8 million project includes:

- Video management system
- Centralized access control system
- Identification badges
- Early warning speakers



- Student Success
  - Undergraduate education
  - Graduate education and research
  - Campus safety
- Retention



# Retention – Student Success by Cohort

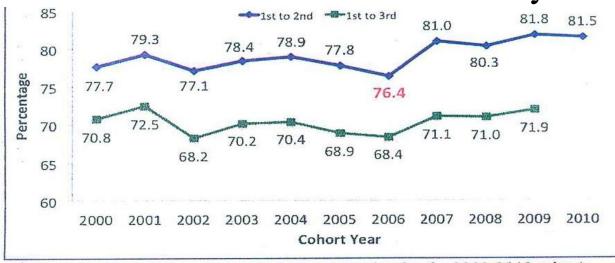


Figure 1. 1st to 2nd and 1st to 3rd Year Retention for the 2000-2010 cohorts.

#### Areas for Improvement? Selected themes from the

Sophomore Attrition Survey

Areas for Improvement? Selected themes from the Graduating Senior Survey

Academic Advising

Changed Major/Lost Credit

Major Selection

Work Conflicted w/ Class

Access to Competitive Majors

Course **Availability** 

Course Availability

> Family Conflict

Difficulty with Courses

Tuition and Cost



#### Student Engagement: Comparison to Carnegie Peers

Benchmark of Effective Educational Practices	Freshmen	Seniors
Academic Challenge	1	
Active & Collaborative Learning	1	
Student-Faculty Interaction	1	
Enriching Educational Experiences		
Supportive Campus Environment	1	
UK outperformed UK was outp		No statistical



peers



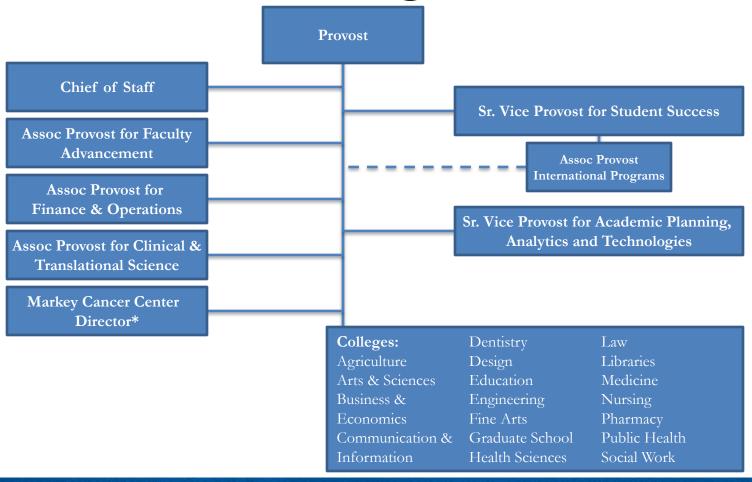
by peers



difference



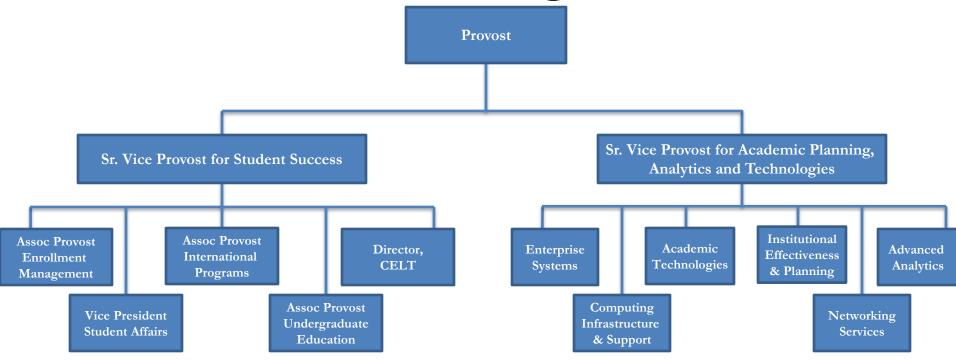
# Provost's Office Re-Organization



<sup>\*</sup> Dotted line report to EVPHA and Dean of Medicine



# Provost's Office Re-Organization





- Student Success
- Retention
- Infrastructure



#### 2008-12 UK Major Capital Construction by Funding Source

2000-12 OR IV	rajor Capitar	Construction	on by I	ullull	ig oc	Juice
<u>Project</u>	<u>UK Funds</u> <u>UKHC Funds</u>	UK Bonds State Bonds	State Grant	<b>Federal</b>	<b>Private</b>	Project Total
Expand & Upgrade Livestock						
Disease Diagnostic Lab		\$28,500,000				\$28,500,000
Construct Biological Pharmaceutical						
Complex Building	\$14,335,101	\$119,892,000	\$385,611		\$385,611	\$134,998,323
Fit-up 4th & 5th Research Floors						
Bio-Pharm Building	\$15,523,141		\$12,476,859			\$28,000,000

\$25,000,000

\$215,538,719 \$375,000,000 \$148,392,000

KENTUCKY°

see blue.

\$215,538,719 \$350,000,000

\$2,013,475

\$2,151,620

\$5,900,000

\$2,003,866

\$15,000,000

\$56,927,203

\$572,838,719

\$18,669,725

\$8,050,000

\$20,984,305

\$6,428,471 \$13,000,000

\$8,015,463

\$15,000,000

\$9,700,000

\$7,000,000

\$25,000,000

\$896,185,006

\$7,300,000

\$8,328,125

\$8,050,000

\$7,100,000

\$9,700,000

\$7,000,000

\$8,328,125

\$7,000,000 \$11,832,685

\$6,428,471

\$6,011,597

\$28,190,595 \$24,272,753 \$47,863,736

Construct Patient Care Facility

Replace Wildcat Lodge Student Housing (Wildcat Coal Lodge)

Construct CAER Laboratory

Renovate 4th Floor Sanders-Brown

Renovate Track and Field Facility

Construct UK/Nicholasville Road

Acquire/Renovate Academic Facility

Renovate/Upgrade Softball Complex

Note: State Grants include RCTF Capital Match

Renovate/Expand Soccer Facilities

Building #3

Center on Aging

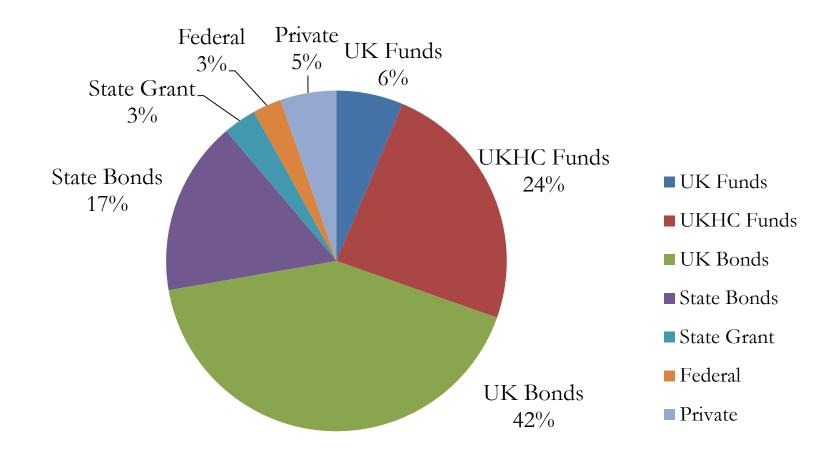
Flood Mitigation

- University Lofts Facility

Student Health Facility

Digital Village Building #2

#### 2008-12 UK Major Capital Construction by Funding Source



Note: State Grants include RCTF Capital Match



#### Infrastructure

- 2008-2012 Construction
- Public/Private Partnership with EdR
- Debt Study
  - Currently at 3.7% of revenues
  - An additional \$200 million would move our debt level to 4.1% of revenues
- Building Priorities

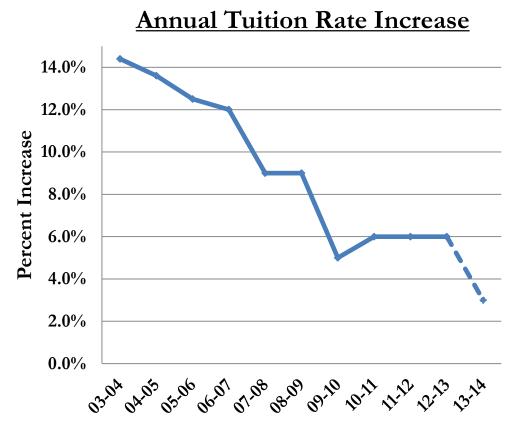


- Student Success
- Retention
- Infrastructure
- Access and Affordability



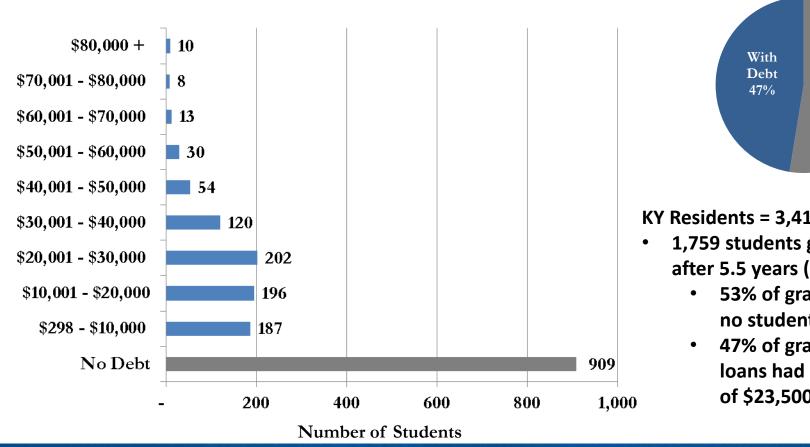
# Access & Affordability – Tuition & Fees

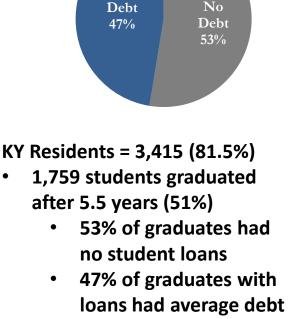
		Percentage Change		
	Under- graduate Resident	Annual	4 Year Average	
03-04	\$ 2,274	14.4%		
04-05	\$ 2,583	13.6%		
05-06	\$ 2,906	12.5%		
06-07	\$ 3,255	12.0%	13.1%	
07-08	\$ 3,548	9.0%	11.8%	
08-09	\$ 3,868	9.0%	10.6%	
09-10	\$ 4,062	5.0%	8.8%	
10-11	\$ 4,305	6.0%	7.3%	
11-12	\$ 4,564	6.0%	6.5%	
12-13	\$ 4,843	6.0%	5.8%	
13-14*	\$ 4,983	3.0%	5.3%	
*Preliminary				

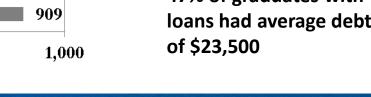




#### Average Debt of Resident Baccalaureate Graduates from the Fall 2006 Entering Freshmen (full-time resident) Cohort









- Student Success
- Retention
- Infrastructure
- Access and Affordability
- Work Environment
  - Faculty performance
  - Employee evaluations
  - Manager training



# Faculty Performance

#### R3 (Review, Rewards and Retention) Report

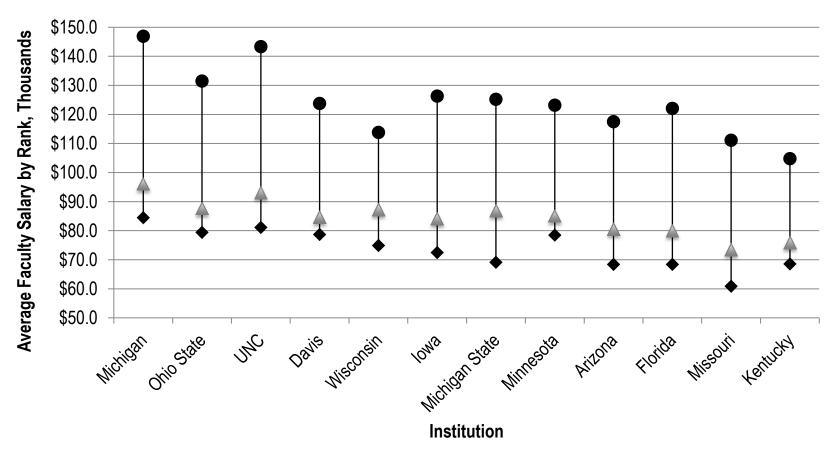
- Review
  - Process that truly evaluates performance and assists in professional development
  - Promotes advancement throughout the career
  - Post-tenure review
- Rewards
  - Rewards aligned with performance
  - Recognition of contributions in all areas (teaching, research and service)
- Retention
  - Competitive salaries with peer institutions

#### Associate Provost for Faculty Advancement

- GT Lineberry, PhD Engineering
- Responsibilities
  - Comprehensive faculty development programs
  - Assist in faculty advancement to full promotion
  - Chair development program



# Faculty Performance





#### • Work Environment

- Faculty performance
- Employee evaluations
- Manager training

Start Date	Description	End Date
September	Communication from HR to management	October
September	Meetings with Budget Officers, Deans Council,	October 5
	HR Facilitators	
October 18	Communication from President to all staff	October 18
October 18	Communicate training WBT available	October 18
November 1	Conduct division / department workshops	January 15, 2013
	Completion of Campus PEs	February 28, 2013
February 2013	Conduct Healthcare workshops	May 2013
	Completion of Healthcare PEs	June 30, 2013



- Student Success
- Retention
- Infrastructure
- Access and Affordability
- Work Environment
- Values-Based Budget Model

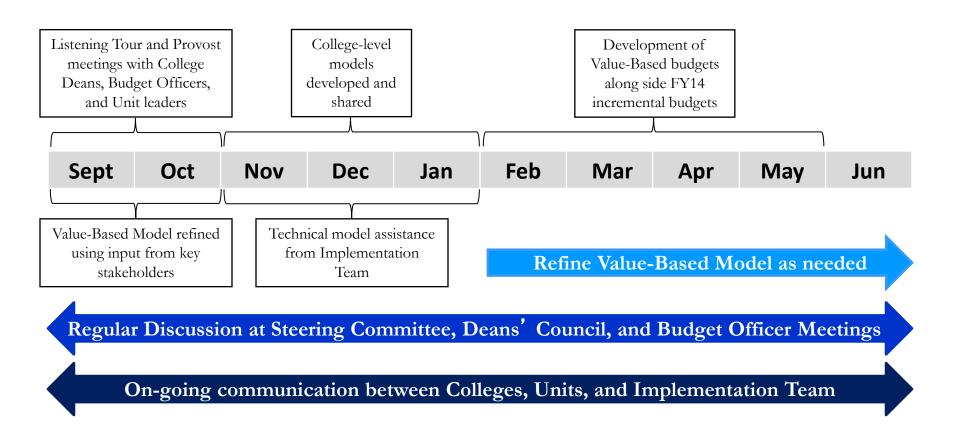


# Values-Based Budget Model

- Aligns revenues and expenses
- Revenues are attributed to unit that earns them
- Expenses (both direct and administrative & service) are attributed to units
- Incentivizes colleges to be entrepreneurial
- Allows for longer-term (3-5 year) planning
- Current model is "incremental budget model" and results in managing to expenses.

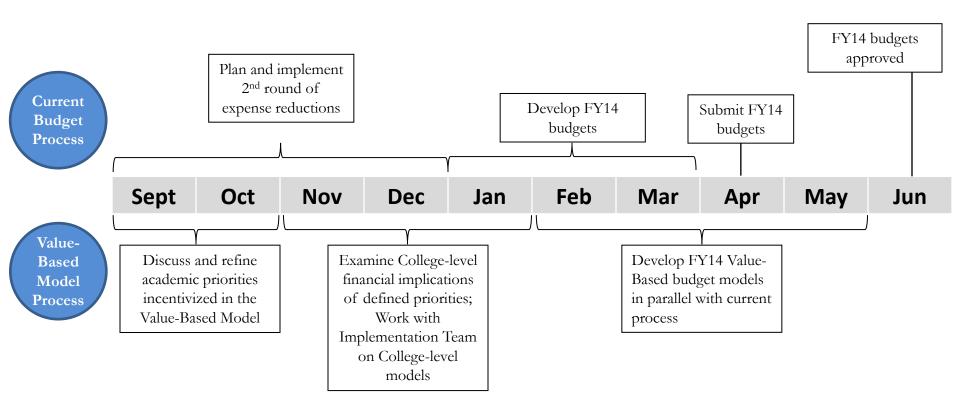


## Value-Based Model Implementation Timeline





#### Value-Based Model "Parallel Process" Year





# **Questions and Comments**

see blue.

President Eli Capilouto

October 13, 2012

**UK Board of Trustees** 

Fall 2012 Retreat

## The 21st Century University

**Ensuring Kentucky's Promise** 



## UK – A First Choice Institution

- First choice in the state and region, for the best and brightest.
- First choice in the state and region, for cutting-edge research and creative scholarship.
- First choice in the state and region, for life-saving patient care and service.



## The Kentucky Effect

























"... leaders used to be judged by how well they responded to a crisis. Now, they are judged by how well they anticipate one ..."

IBM Advertisement



## The Burning Platform

#### Regulation and economic pressures

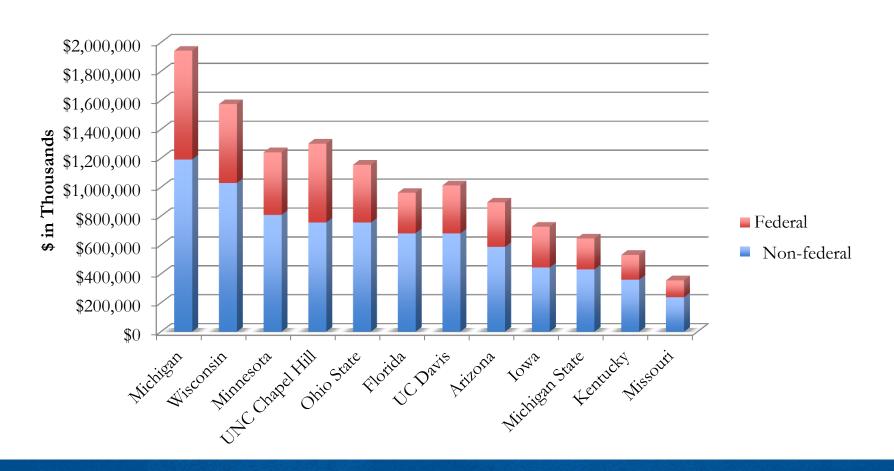
- Citizen demand for accountability
- State and federal funding reductions
- Concerns about access
- Middle skill job loss, high skill job growth
- Need and desire to cap tuition

#### Competitive pressures

- Governors launching university alternatives
- Venture capitalists funding online programs, MOOCs
- Persistent pressure from for-profits, elites
- Traditional students choosing community colleges

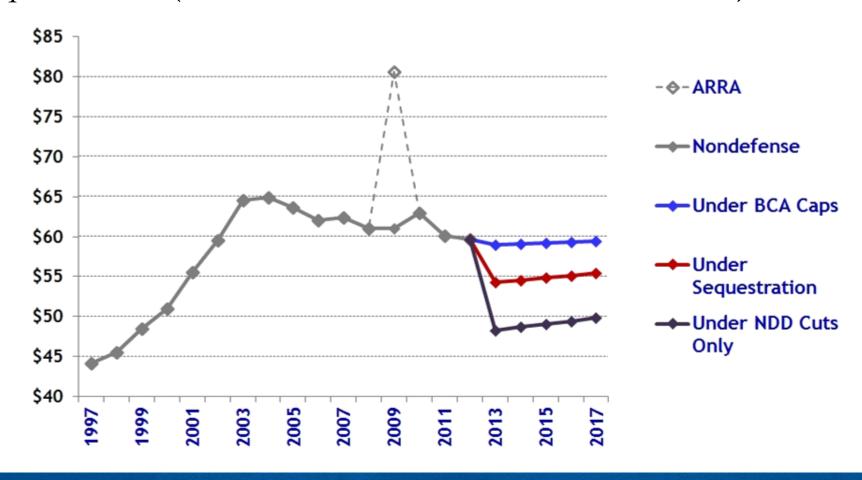


## FY 2010 R&D Expenditures





# Federal Nondefense R&D Under BCA Caps With and Without Sequestration (in billions of constant FY 2012 dollars)



Source: Based on AAAS estimates of R&D funding and the FY 2013 budget, and CBO analyses of the Budget Control Act. © 2012 AAAS



#### The Future of Research

#### NIH Clinical and Translational Science Award (\$24M)

- One of only 60 in the U.S. (Elite Club)
- A national research consortium
- Positions UK for conducting "big", transformative research
- Requires significant internal investment beyond grant
- Pittsburgh just invested \$100M in "Informatics"

#### NCI-Designated Cancer Center application (\$7.5M +)

- \$90M investment
- 36 faculty hires and counting
- At least 9 colleges involved
- Sets stage for NCI-Comprehensive status and more network grants



## The Future of Research

#### Center for Applied Energy Research

- NIST, KY, UK-funded energy laboratory (\$21 M)
- New approaches to use existing resources ("clean coal" technologies)
- Renewable energy (biofuels, solar)
- Energy storage devices (batteries, capacitors)
- International collaborations leading to new research revenue

#### College of Design

- River Cities
- Houseboat to Energy Efficient Residences

#### Center for Visualization and Virtual Environments

Virtual Opera Sets

#### Anthropology and Art History

- Prehistoric Roman Settlement



## The Future of Research

- Interdisciplinary Research Teams
- Convergence of Biological Sciences, Physical Sciences and Engineering
- Computational approaches to complex problems
- Alternative sources of research funding



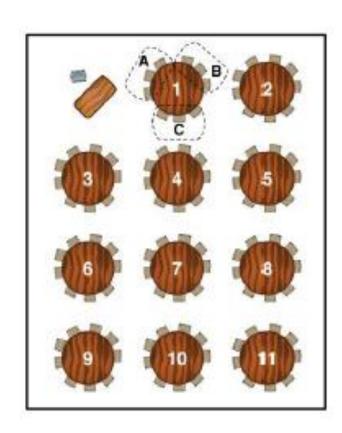
## Technology and Education

- Massive online open courses (MOOCs)
  - Fall 2011 Stanford AI class: 140,000 enrolled, 23,000 completed. Not a single Stanford student in the top 400
  - Coursera hosts 200 courses from 33 schools, 1.3 million students.
     Berkeley, Brown, Columbia, Emory, Ohio State, Florida, Vanderbilt, John Hopkins, Princeton, Rice, Stanford, Michigan, Virginia, Washington, Duke
- Hybrid technologies
  - Lecture capture, blended learning, flipped classrooms, smart boards,
     projection, tablets



## Technology and Facilities

- Foster interactive learning
- Collaboration is the key
- Three groups of three at each table
- Combine discussion, hands on, experiments, group work
- White boards, projection screens
- Web based delivery
- Mobile computing devices and wireless
- With a flipped class, the lecture is listened to in the dorm room and the class is for active participation and *deeper learning*



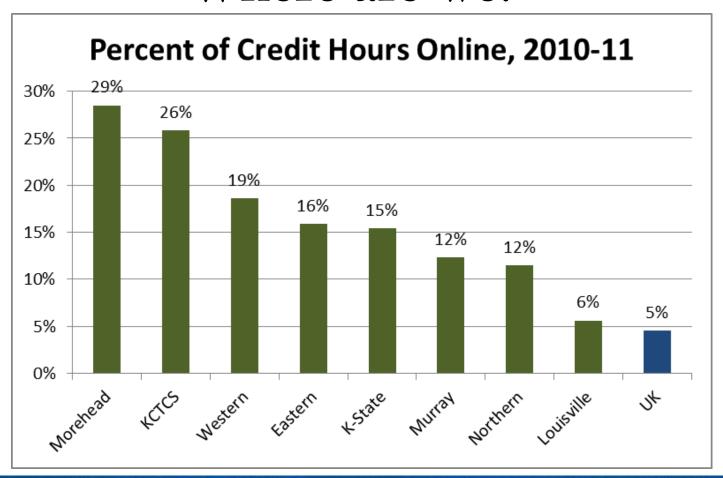


## Something for everyone

- MOOCs make great content available for free
  - Self-starters can gain skills without attending. Will employers value this?
- Fully online university programs
  - Adult, working learners can weave advanced education into their busy lives
- Hybrid approaches
  - Students who need more preparation can access learning materials 7x24, perhaps in high school
  - Fast-tracking students can progress rapidly at their own pace
  - Working undergraduates gain convenience and flexibility



## Where are we?





## Capitulate? Or Compete?

#### Regulation and economic pressures

- Citizen demand for accountability
- State and federal funding reductions
- Concerns about access
- Middle skill job loss, high skill job growth
- Need and desire to cap tuition

#### Competitive pressures

- Governors launching university alternatives
- Venture capitalists funding online programs, MOOCs
- Persistent pressure from for-profits, elites
- Traditional students choosing community colleges



Our Unique Strengths



## Capitulate? Or Compete?

#### Regulation and economic pressures

#### Competitive pressures

Citizen demand for accountability

Governors launching university alternatives

· Wantura capitaliste fundina anliqe programs,

#### State and fe

#### Concerns a

- Middle skil
- Need and d

#### **UK Strengths**

- 150 years of history, strong brand
  - Healthcare enterprise, athletic programs
- Superb faculty, wide array of disciplines
  - Ability to attract top talent, breadth of program offerings
- Access and affordability
  - 53% graduate with no debt, debt load for the rest is below national average
- Advantageous geography
  - Bluegrass region, Lexington Center, proximity to major markets

fits, elites mmunity



## The Burning Platform

#### Regulation and economic pressures

- Citizen demand for accountability
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#### Competitive pressures

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Response

see blue.

## Questions to ask

- Are there other threats on our burning platform?
- Where do you want us to focus our energy?
- What are you hearing in your communities about the expectations of the University of Kentucky?
- What are your questions for campus?



"The university is perhaps the single most important institution of the creative age...

The places that win this global competition of talent will be the ones that realize that talent moves."

- Richard Florida



## Master Plan Update

Meeting with our Neighborhoods

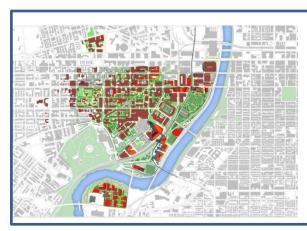


## **TEAM**

#### Sasaki Associates – Boston, MA

RossTarrant Architects – Lexington, KY

# National Planning Firm of the Year 2012- American Planning Association



UNIVERSITY OF PENNSYLVANIA
MISSISSIPPI STATE UNIVERSITY
UNIVERSITY OF TEXAS AT AUSTIN
AUBURN
OHIO STATE UNIVERSITY
UNIVERSITY OF CALGARY
SINGAPORE UNIV. OF TECHNOLOGY
& DESIGN

#### **SCHEDULE**

August 2012 to Spring 2013

#### MASTER PLAN PROCESS

- Guide Change and Transformation
- Engage a broad range of stakeholders
- Integrated and Comprehensive
- Maximize linkages and partnerships
- Connect People,
   Places, and Ideas
- Foster Stewardship and Sustainability
- Master plan will embody the strategic priorities of the University



## Committee and Stakeholder Input

Date	Group	Time	Location	Meeting Counts
Tuesday, September 4, 2012	Columbia Heights	5:30 to 7:00	Alumni House	23
Wednesday, September 12, 2012	LFUCG/UK Meeting	10:00 to Noon	103 Main Building	29
Wednesday, September 12, 2012	UNAC	5:30 - 6:30	Alumni House	13
Thursday, September 13, 2012	University of Kentucky	3:00 - 5:00	203 Student Center Addition	24
Monday, September 17, 2012	Community Organizations	10:00 to 11:30	Alumni House	19
Monday, September 17, 2012	Neighborhood Associations Group I	5:30 to 7:00	Alumni House	40
Tuesday, September 18, 2012	Neighborhood Associations Group II	5:30 to 7:00	Alumni House	34
Tuesday, September 18, 2012	Student Workgroup	11:30 to 1:00	Blazer Commons	18
Wednesday, September 26, 2012	Neighborhood Associations Group III	5:30 to 7:00	Alumni House	21
Thursday, September 27, 2012	Council Members	4:00 to 6:00	Downtown, Government Bldg.	16
Tuesday, October 02, 2012	Retail Owners & Merchants	5:30 to 7:00	127 Wethington Building, Commons Room	14
Tuesday, October 02, 2012	UK Deans Council	3:30 to 5:00	103 Main Building	
Wednesday, October 3, 2012	Landlord Associations	5:30 to 7:00	127 Wethington Building, Commons Room	29
Tuesday, October 16, 2012	Faith Communities	5:30 to 7:00	Alumni House	
Tuesday, October 30, 2012	Shadeland Neighborhood	7:00 to 8:00	Crestwood Christian Church	

## Meetings with Neighborhoods

- Three well attended meetings in September
- Presented overview of the masterplan
- Discussed our Phase 2A housing plans
- Discussed Greek Park concept
- Presented webpage and ways to provide input
- Listened to needs and concerns

## Neighborhood Stated Issues

- Declining Quality of Certain Neighborhoods
- Decrease in Owner-Occupied Homes in Neighborhoods
- UK Alcohol Policies
- Student Off-Campus Behavior
- Parking (On and Off Campus)
- Traffic (Cars, Bikes, Pedestrians)
- Transition Zone

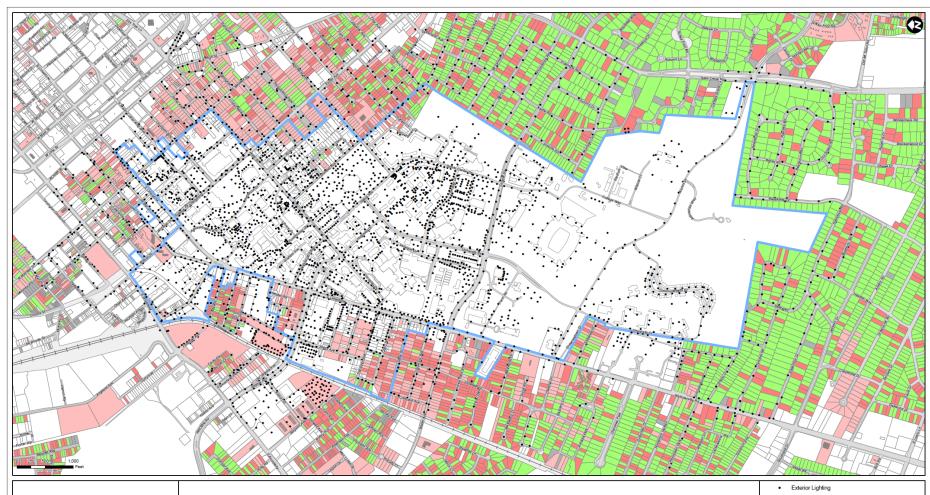
## Neighborhood Suggestions

- Expand UK's 'Live Where you Work' Progression
- Collaborate with City and Stakeholders



- Create a Transition Zone between campus
- Expand the reach of the Off-Campus Housing Office
- Retain More Students and Social Organizations On Campus
- Improvements to Gateways into Campus

# **Driving Tour Info**





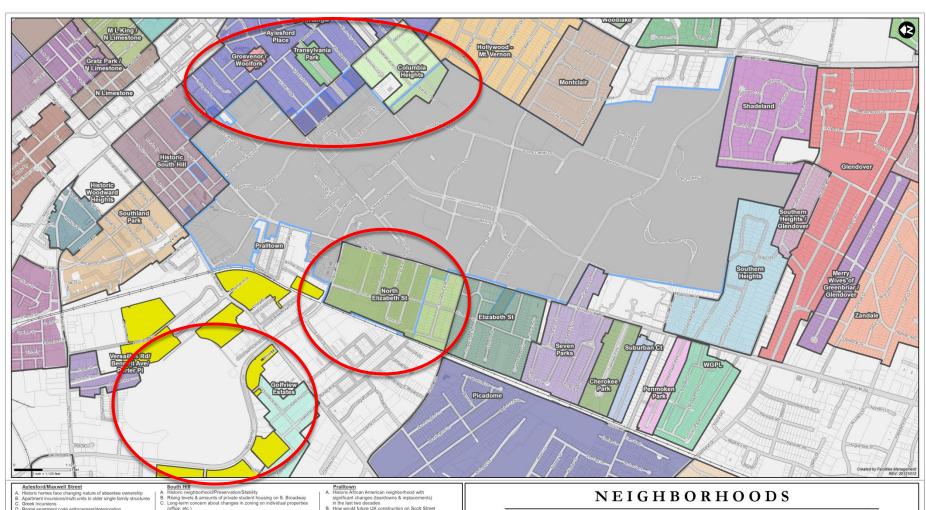
University of Kentucky Vicinity

RESIDENTIAL PROPERTY OCCUPANCY

Lexington, Kentucky

University of Kentucky Boundary Residential - 1 Unit Owner Address Does Match Property Address Residential - 1 Unit Owner Address Does Not Match Property Address Residential - More than 1 Unit (Apartment, Condominium, or Duplex) Incomplete Data Non-Residential Property

## **Driving Tour Focus Areas**



- Rental apartment code enforcement/deterioration
   of housing quality
- Changing demographics; students to more urban poor?
   Traffic/parking
   Euclid Avenue commercial

#### Columbia Heights/Hollywood/Montclair

UK Acquisition boundary
 Smaller single family homes confronted with vinyl box additions
 Backs up to campus - Athletics & Cooperstown areas

#### D Protection & stabilization Translyvania Park

Protecting Older/Single Family Homes
 Connection of Maxwell St/Euclid Ave

- Puture commercial growth along Limestone and Maxwell Street Police & code enforcement issues Good Samaritan future/Jersey Street lot future
- G. Nearby chruches & their plans
- H. Surface parking lot plans
  I. Rupp Arena/Civic Center parking lot future

- University/State Street Area/North Elizebeth St Lack of city infrastructure: lighting, curbs & sidewalks
  Neighborhood radically transformed by student rentals & vinyl additions
  Post-NCAA gathering area of student & community disturbance
  Conversions to other uses/offices, etc.
  Traffic cut through from Walter to Virginia Avenue
- F. UK Acquisition boundary G. Growth/Expansion of UK Campus/HealthCare
- mesh with low rise units in adjacent Pralltown?

  C. Resident/student conflicts?

  D. Significant private student developments/concentrations across railroad tracks adjacent to neighborhood
- Seven Parks A. Still has good concentration of owner occupancy homes
   B. Fearful of students moving increasingly south of Waller Ave
- into their neighborhood C. UK Commonwealth Village
  D. Old county neighborhood with lack of infrastructure
  E. Drainage issues
  F. Football game's parking and mess, etc.

University of Kentucky Vicinity Lexington, Kentucky





## Neighborhood Tour: Specific Issues

#### Columbia Heights/ Hollywood/Montclair

- 1. UK acquisition boundary
- 2. Smaller single family homes confronted with vinyl box additions
- 3. Backs up to campus Athletics and Cooperstown areas
- 4. Protection and stabilization

#### **University/State Street Area/North Elizabeth St**

- 1. Lack of city infrastructure: lighting, curbs and sidewalks
- 2. Neighborhood radically transformed by student rentals and vinyl additions
- 3. Post NCAA gathering area of student and community disturbance
- 4. Conversions to other uses/offices etc.
- 5. Traffic cut through from Waller to Virginia Avenue
- 6. UK Acquisition boundary
- 7. Growth/Expansion of UK Campus/HealthCare

#### South Broadway/Red Mile Road

- 1. Major amounts of building or new private student housing
- 2. Lack of nearby services and retail
- 3. Uncertainty of what this will mean to older student areas
- 4. LFUCG concern about density

## Community Tour: Talking Points

#### Neighborhoods

- Inappropriate architecture in established neighborhoods
- Number of apartments in original single family homes
- General decline of property in older neighborhoods
- "Vinyl box" additions
- Demolition of older structures
- Parking issues
- Code enforcement

#### **New "Private" Apartments (South Broadway corridor)**

- Density and number of units
- Lack of services in area
- Safety of students walking
  - Major roadways
  - Railroad crossings