#### Stanford's Disclaimer on Forward-Looking Statements

Statements in this presentation that are not historical facts are forwardlooking statements based on current expectations of future events and are subject to risks and uncertainties that could cause actual results to differ materially from those expressed or implied by such statements. In addition, we, through our management, from time to time make forwardlooking public statements concerning our expected future operations and performance and other developments. All of these forward-looking statements are subject to risks and uncertainties that may change at any time, and, therefore, our actual results may differ materially from those we expected. We therefore caution against placing substantial reliance on the forward-looking statements contained in this presentation. All forward-looking statements included in this presentation are made only as of the date of this presentation and we assume no obligation to update any written or oral forward-looking statements made by us or on our behalf as a result of new information, future events or other factors.

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## 2010/11 Stanford University Budget Plan

Faculty Senate May 27, 2010

### Outline

- Context and Highlights
- Consolidated Budget
- General Funds Budget
- Capital Budget and Capital Plan
- Lessons Learned

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### Context: 2008-09

- In 2008-09, Stanford experienced the largest endowment drop in 50 years
- Ironically that same year, Investment Income had for the first time surpassed Sponsored Research as the largest single revenue source
- Anticipated loss in Endowment Payout in excess of \$200M

#### Reaction: 2009-10

- Suspended endowment "smoothing rule" to adjust payout in two years
- Froze salaries for 2009/10
- Delayed or cancelled \$1.2B in capital projects
- Laid off 500 staff; froze 50 faculty positions
- Closed anticipated \$130M General Funds deficit through cuts, savings, and revenue enhancement

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### Looking Forward: Consolidated Budget 2010-11

- Consolidated Budget for Operations
  - \$84.5M surplus on \$3.8B in revenues
  - Modest salary program for faculty and staff
  - Continued increase in research funding due to ARRA

### Looking Forward: General Funds Budget 2010-11

- General Funds Budget
  - Projected \$26M surplus on \$802M in non-formula general funds
  - Includes \$20M in endowment mitigation for schools
  - \$10M allocated to financial aid
  - \$15M selected program support

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### Looking Forward: Capital Budget 2010-11

- Capital Budget and Capital Plan
  - \$1.5B Capital Plan (down from \$1.8B in 2009-10)
  - \$368M Capital Budget (down from \$647M in 2009-10)
  - Selected projects reactivated; notably Bing Concert Hall, Madera Grove Childcare Center

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# Consolidated Budget for Operations

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## Consolidated Budget

2008-09 Actuals	2009-10 Projected		2010-11 Budget Plan	1-Year Change	2-Year Change
\$612	\$655	Student Income	\$680	3.9%	11.2%
1,000	1,121	Sponsored Research	1,151	2.6%	15.0%
533	597	Direct Costs - University	607	1.8%	14.0%
294	326	Direct Costs - SLAC	346	6.1%	17.7%
174	199	Indirect Costs	198	-0.6%	13.7%
484	496	Health Care Services	519	4.7%	7.1%
223	225	Expendable Gifts & Net Assets Released	240	6.7%	7.6%
1,075	898	Investment Income	905	0.7%	-15.9%
954	851	Endowment Income	758	-10.9%	-20.6%
121	47	Other Investment Income	147	209.5%	21.2%
350	342	Other Income	349	1.9%	-0.5%
\$3,745	\$3,737	Total Revenues	\$3,843	2.8%	2.6%
1,830	1,899	Salaries and Benefits	1,988	4.7%	8.7%
294	326	SLAC	346	6.1%	17.7%
210	216	Financial Aid	217	0.6%	3.4%
1,032	1,067	Other Operating Expenses	1,100	3.1%	6.5%
\$3,366	\$3,508	Total Expenses	\$3,651	4.1%	8.5%
\$379	\$229	Revenues less Expenses	\$192		
(209)	(78)	Total Transfers	(107)		
\$170	\$151	Revenues less Expenses after Transfers	\$84		Oollars in mi

### A Closer Look at Revenue Growth

2008-09 Actuals	2009-10 Projected		2010-11 Budget Plan	1-Year Change	2-Year Change
Controlle	d by Provos	st/Deans			
\$502	\$534	Tuition	\$554	3.8%	10.5%
174	199	Indirect Costs	198	-0.6%	13.7%
350	342	Other Income	349	1.9%	-0.5%
1,075	898	Investment Income	905	0.7%	-15.9%
\$2,101	\$1,974	Subtotal	\$2,006	1.6%	-4.6%
		tments/Faculty/Other  Room & Board	126	4.007	
		•			
110	121				14.00/
				4.3%	14.2%
533	597	Direct Costs - University	607	4.3% 1.8%	14.2% 14.0%
533 294	597 326				
		Direct Costs - University	607	1.8%	14.0%
294	326	Direct Costs - University Direct Costs - SLAC	607 346	1.8%	14.0% 17.7%
294 484	326 496	Direct Costs - University Direct Costs - SLAC Health Care Services	607 346 519	1.8% 6.1% 4.7%	14.0% 17.7% 7.1%

Dollars in millions

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## Consolidated Budget

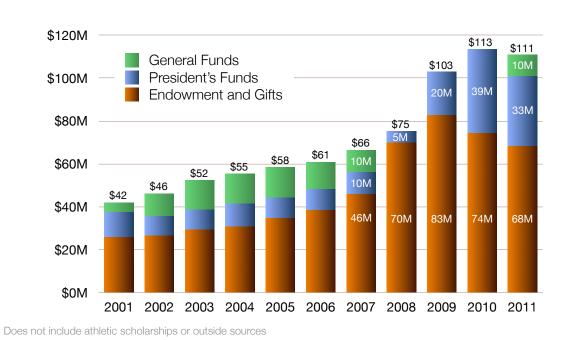
2008-09 Actuals	2009-10 Projected		2010-11 Budget Plan	1-Year Change	2-Year Change
\$612	\$655	Student Income	\$680	3.9%	11.2%
252	268	Undergraduate Tuition	278	3.7%	10.3%
249	267	Graduate Tuition	276	3.4%	10.8%
110	121	Room & Board	126	4.1%	14.5%
210	216	Financial Aid	217	0.6%	3.4%
					27772
		Undergraduate			
102	113	Need-Based Aid	111	-1.8%	8.8%
8	7	Grants & Contracts	5	-25.7%	-35.0%
17	19	Athletic	20	3.7%	15.3%
127	139	Total Undergraduate	136	-2.2%	6.9%
		Graduate			
79	77	Financial Aid	82	6.0%	3.4%
50	50	Graduate Stipends*	54	8.3%	7.4%
60	62	Tuition Allowance*	60	-2.9%	0.2%
88	92	RA/TA Salaries*	90	-2.4%	1.9%
277	281	Total Graduate	285	1.7%	3.0%

 $<sup>^{\</sup>star}\,$  Included in Salary & Benefits line of Consolidated Budget

Dollars in millions

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## Undergraduate Need-Based Aid



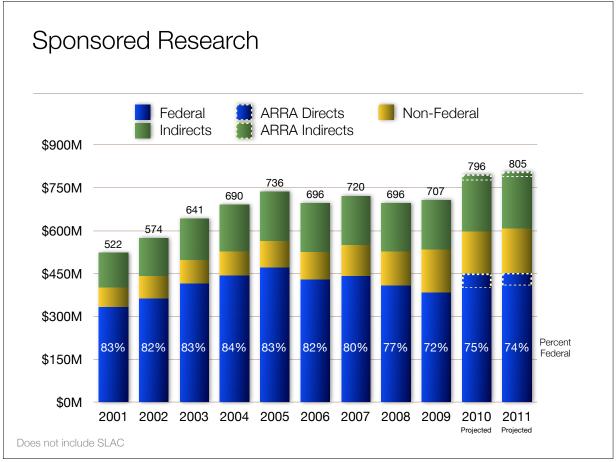




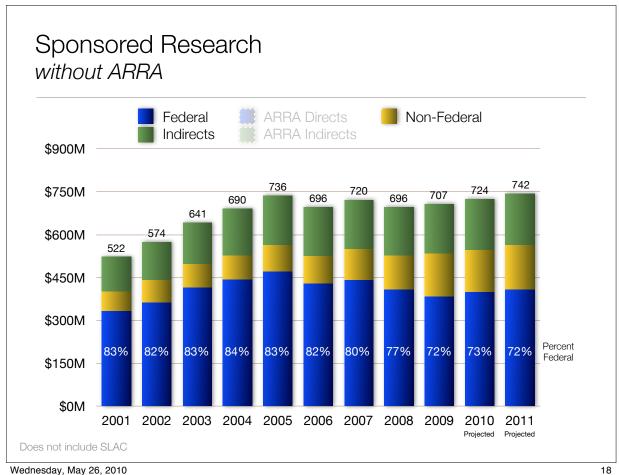
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### Consolidated Budget

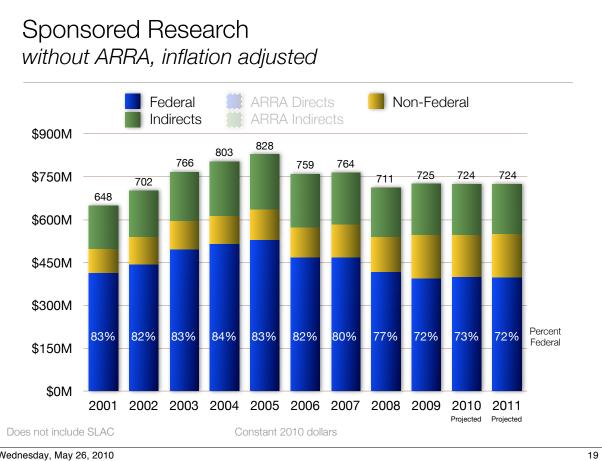
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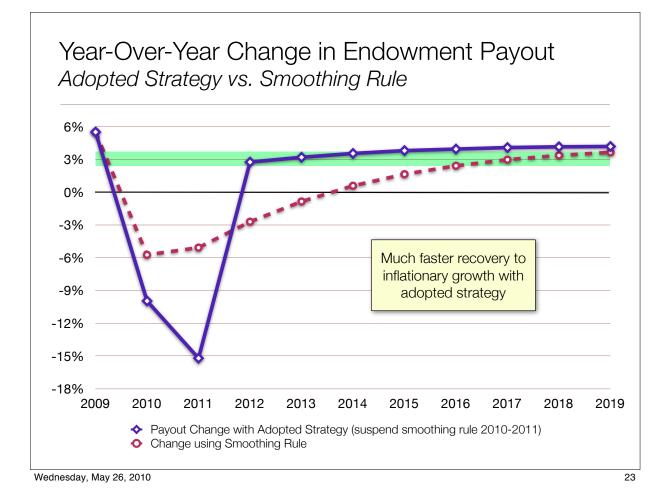
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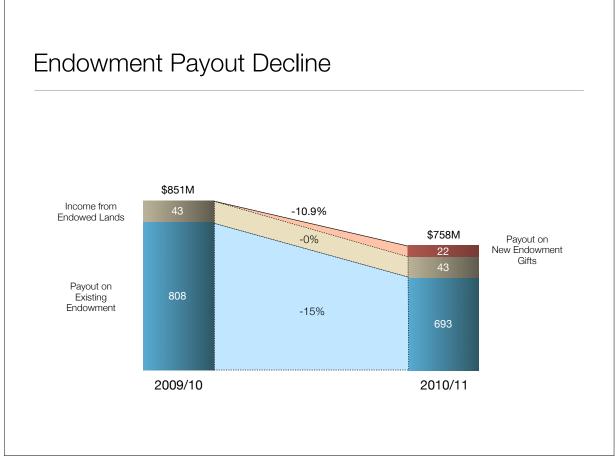
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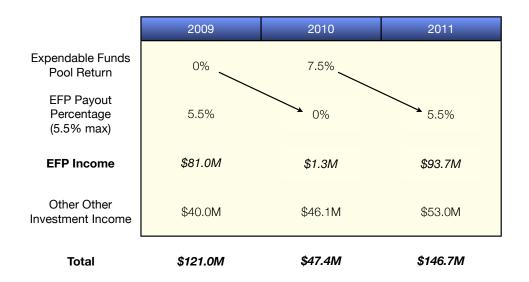
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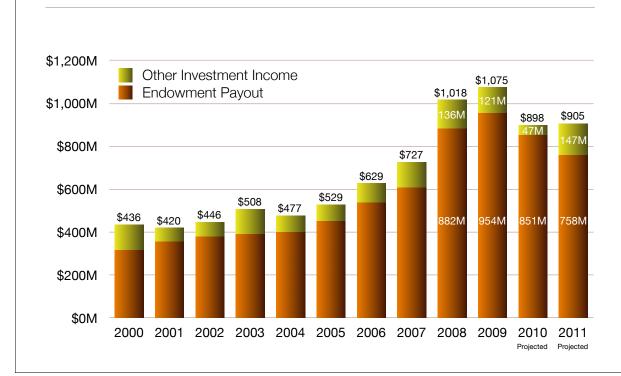


#### Other Investment Income



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#### Total Investment Income

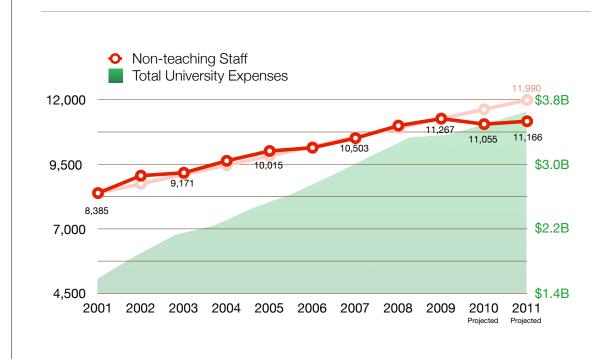


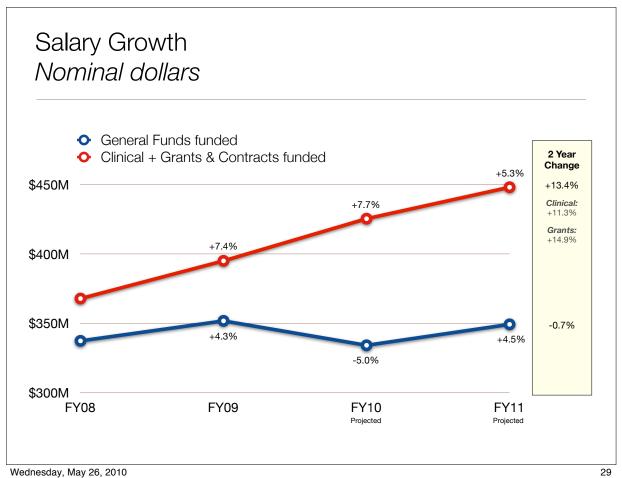
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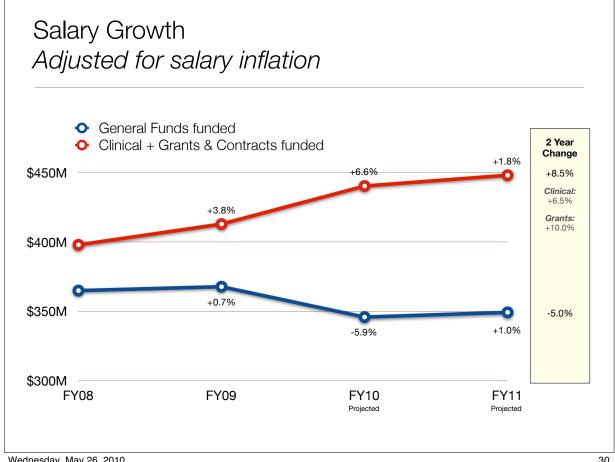
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### Staff Headcount







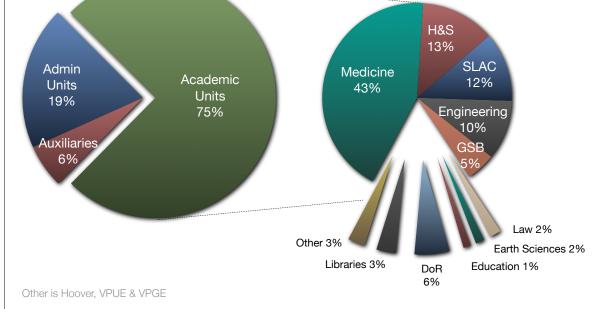
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## Consolidated Budget

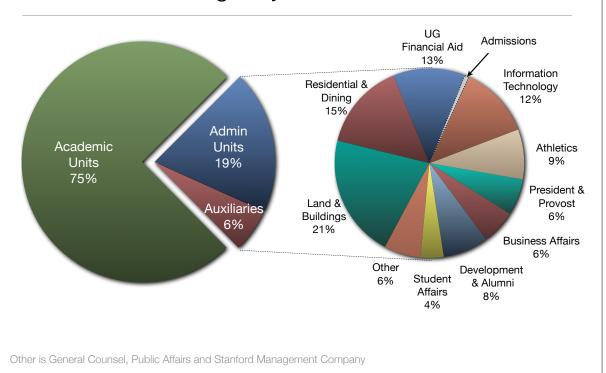
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General Funds Budget

## Improving General Funds Outlook

- In June 2009, projected a balanced budget for 2010-11
- Projection included:

• Salary increase program: \$15.7M

• Funding for new facilities: \$6.2M

• Endowment mitigation: \$30M (75% mitigation)

• Improved revenue outlook and expense reductions allowed:

• Undergraduate financial aid: \$10M

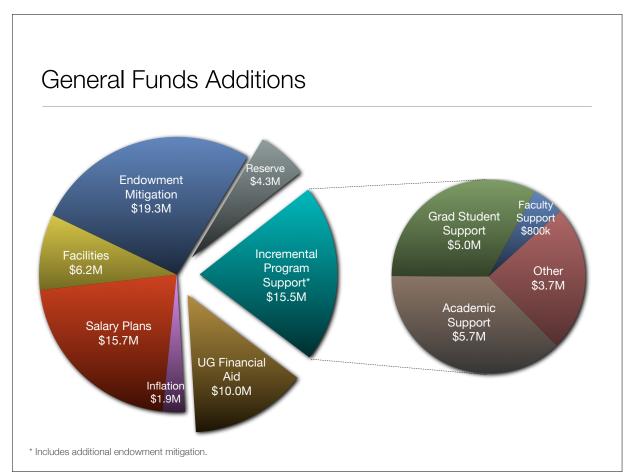
• Incremental program support: \$15M

• Restoration of University reserve: \$4M

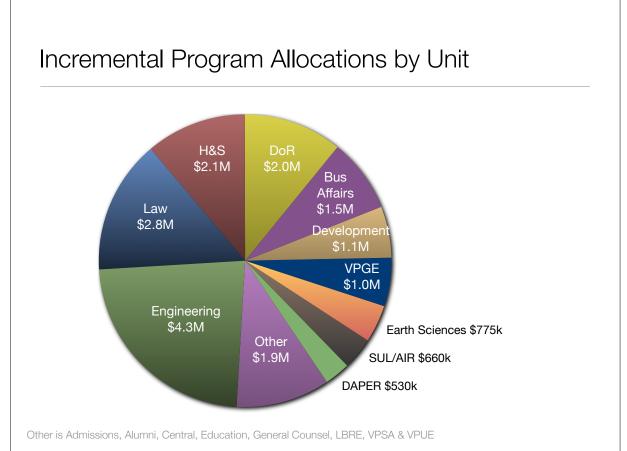
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### Budget Forecast Changes Since Last Year

			Forecast			
	2	010/11		2011/12	20	012/13
Bottom Line Forecast (June 2009)		0.0	\$	(15.0)		n/a
Changes						
Improved Endowment Market Performance		16				
Revised Indirect Cost Recovery Forecast		4				
Revised Tuition Forecast		7.6				
Endowment Mitigation at 50% instead of 75%		10				
Revised Utilities, O&M, Central Services Forecast		18.1				
Priorities						
Financial Aid		-10				
Program Allocations		-15.2				
Restoration of University Reserve		-4.3				
General Funds Bottom Line	\$	26.3	\$	21.2	\$	20.0



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### A Two-Year Perspective General Funds and Endowment Changes

	Ac	ademic Uni	ts	Adm	inistrative L	Inits
	General Funds	Endowment Payout	Total	General Funds	Endowment Payout	Total
2008/09 Base Funding	\$307	\$366	\$674	\$278	\$65	\$342
2-Year Payout Declines		-76			-14	
GF Mitigation of Payout Declines	39			0		
Net GF Additions/Reductions	-26			-28		
Salary and Inflation Allocation	19			13		
Net Funding Changes	32	-76	-44	-15	-14	-29
2010/11 Base Funding	\$340	\$290	\$630	\$262	\$51	\$313
Percent Change (nominal)			-6.5%			-8.5%
Adjusted for Two-Year Bay Area CPI	(3.9%)		-10.4%			-12.4%

Endowment amounts exclude one-time effects of underwater endowment shortfalls

Dollars in millions

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Capital Budget and Three Year Capital Plan

## Capital Plan Selected Major Projects

	Project Schedule	Total Project Cost	2010/11 Capital Budget
Projects in Design & Construction			
Knight Management Center	2006-11	\$345	\$122
Bioengineering/Chemical Engineering	2005-13	137	16
Bing Concert Hall	2009-12	112	49
William H. Neukom Building	2008-11	64	23
Olmsted Terrace Faculty Homes (39 units)	2008-11	29	8
Freidenrich Center for Translational Research	2010-12	24	10
Cognitive and Neurobiological Imaging (CNI) Center	2009-11	8	2
Stanford Center in China at Peking University	2008-11	5	3
Madera Grove Children's Center/Mulberry House	2008-11	5	4
Other Projects in Design & Construction		68	29
Total Projects in Design & Construction		796	265
Total Forecasted Projects		222	16
Total Infrastructure Projects		498	87
Capital Plan and Budget Totals		\$1,516	\$368

Note: Total estimated projects cost for projects completing in fiscal year 2010-11 is \$529.5  $\mbox{M}$ 

Dollars in millions

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Lessons Learned

### **Budget Lessons**

- In good times, we need more discipline adding staff
  - ◆ 10 year growth in faculty (except SoM) and students has been slow and relatively controlled
  - ◆ In units funded entirely through General Funds, staff growth has also been relatively slow—limited by available funds
  - ◆ Staff growth in units with significant non-GF revenue has been large and uncontrolled
  - ◆ Do we need a billeting system for staff?
- In very bad times, moving quickly is better than "smoothing"
  - ♦ We had option of one year of sizable cuts vs. 4-5 years of smaller cuts
  - ✦ Former yields more strategic, thoughtful reductions

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### Expendable Funds Buffering Policy

- Buffering policy worked well for normal investment fluctuations (including 2001-2002 downturn)
- With extreme investment losses, policy left General Funds budget exposed to large and immediate drops (>\$40M in FY10)
- Policy needed revision

### Old EFP Policy (Returns above 5.5%) President's Funds Tier II Investment Returns > 5.5% Tier I University General Funds Expendable Funds **GSB** Pool School of Medicine 5.5% Payout

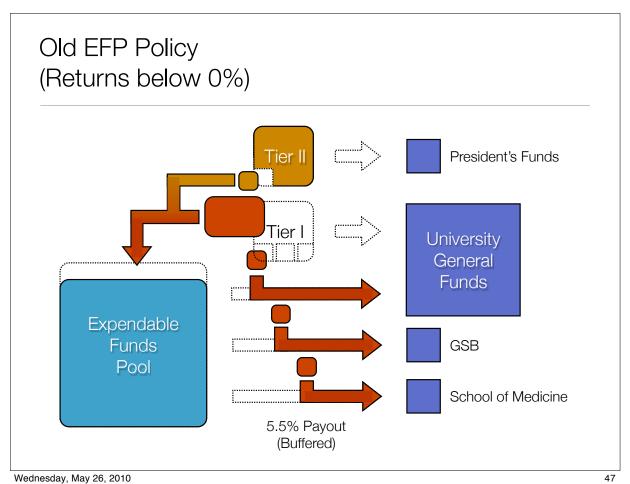
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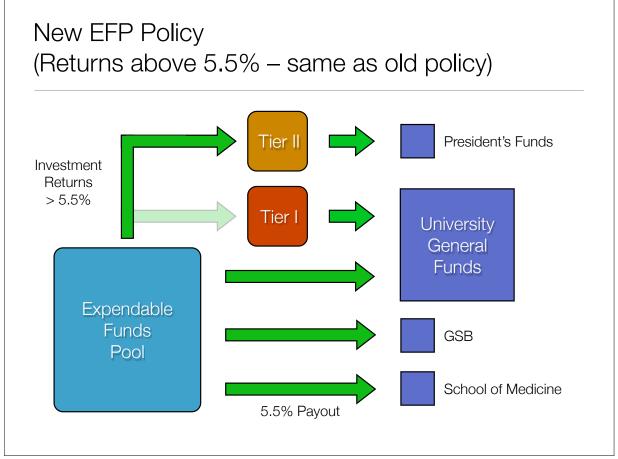
Old EFP Policy
(Returns between 0% and 5.5%)

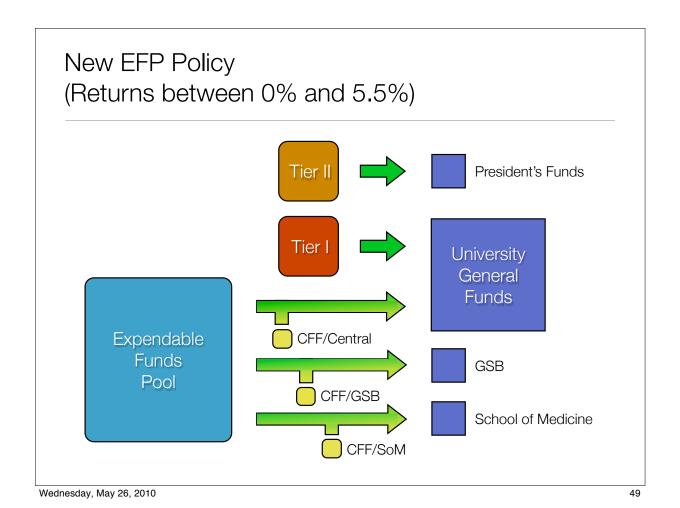
Tier II President's Funds

University
General
Funds
Pool
School of Medicine



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New EFP Policy (Returns below 0%) Tier II President's Funds 20% Max Tier I University General Funds Expendable CFF/Central Funds **GSB** Pool CFF/GSB School of Medicine CFF/SoM

### Expendable Funds Buffering Policy

- Buffering policy worked well for normal investment fluctuations (including 2001-2002 downturn)
- With extreme investment losses, policy left General Funds budget exposed to large and immediate drops (>\$40M in FY10)
- Policy needed revision

New policy puts more buffering risk on sources of one-time funding; provides more protection for base budget.

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#### **Endowment Lessons**

- In addition to risk profile of portfolio, more attention needs to be given to liquidity of portfolio
  - ♦ In extreme liquidity crisis, institution can become cash starved
  - Even when there is no crisis, less than optimal investment decisions may be forced
  - Did not happen to us, thankfully, but could have
- Did we learn that "Yale investment model" is a mistake?

### Annualized Returns (ending 6/09) vs. Indexes

	Stanford Endowment	S&P 500 (Domestic Equities)	MSCI EAFE (Foreign Equities)	MSCI REIT (Real Estate)	GSCI (Commodities)	10-year Treasuries
1-year	-25.9%	-26.2%	-31.0%	-43.7%	-59.7%	7.3%
3-year	-1.0%	-8.2%	-7.5%	-18.5%	-15.2%	8.2%
5-year	6.8%	-2.2%	2.8%	-3.0%	-3.4%	5.5%
10-year	8.9%	-2.2%	1.6%	5.3%	6.3%	5.8%
30-year	16.4%	10.8%	9.6%	3.3%	6.8%	8.2%

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  - → Did not happen to us, thankfully, but could have
- Did we learn that "Yale investment model" is a mistake?

#### No

(though we should continually assess mix/risk/liquidity of portfolio)

End			