UNIVERSITY SENATE
Fourth Meeting, Monday, 26 January 2009, 2:30 p.m.
Room **214 ABCD**, Stewart Center

PLEASE NOTE ROOM CHANGE: Stewart 214ABCD instead of 302

AGENDA

1.	Call to order	Professor Raymond A. DeCarlo
2.	Approval of Minutes of 17 November 2008	
3.	Acceptance of Agenda	
4.	Remarks by the President	President France A. Córdova
5.	Report of the Chairperson	Professor Raymond A. DeCarlo
6.	Résumé of Items Under Consideration by Various Standing Committees	For Information Professor Joan R. Fulton
7.	Question Time	
8.	University Senate Report 08-2, Report from the *ad hoc* Committee on Budget Transparency	For Information Professor A. Charlene Sullivan
9.	Issue Prioritization Revisited	For Information Professor Raymond A. DeCarlo
10.	New Business	
11.	Memorial Resolutions	
12.	Adjournment	

UNIVERSITY SENATE
Fourth Meeting, Monday, 26 January 2009, 2:30 p.m.
Room 214ABCD, Stewart Center

Present: *President France A. Córdova, Raymond A. DeCarlo, (Chairperson of the Senate) presiding, Professors Salvador F. Acuńa, James S. Almond, Janet M. Alsup, David C. Anderson, Eric M. Barnard, Alan M. Beck, Ernest R. Blatchley, John E. Blendell, Lawrence W. Braile, Jeffrey L. Brewer, Kristina K. Bross, Lynn A. Bryan, Donald D. Buskirk, Joseph W. Camp Jr. (Secretary of Faculties and Parliamentarian), Gary L. Carter, Steve H. Collicott, Christine L. Corum, Wei K. Cui, Martin V. Curd, Lawrence P. DeBoer, John P. Denton, Brian G. Dillman, Shawn S. Donkin, Nancy E. Edwards, Charlotte E. Erdmann, Joan R. Fulton, Ronald J. Glotzbach, James P. Greenan,John B. Grutzner, Chong Gu, Sally A. Hastings, L. Tony Hawkins, Michael A. Hill, Jeffrey D. Holland, David J. Janes, Joseph F. Kmec, Ravi Krishnan, Robert A. Kubat, Christine M. Ladisch, Andrew U. Luescher, William G. McCartney, James D. McGlothlin, William D. McInerney, Robert E. McMains, Samuel P. Midkiff, P. Jane Morris (Sergeant at Arms), Rabindra N. Mukerjea, Mary B. Nakhleh, Kathryn S. Orvis, Phillip E. Pope, Robert E. Pruitt, Darryl Ragland, Teri Reed-Rhoads, Gintaras V. Reklaitis,J. Paul Robinson, Tom B. Robinson, Alysa C. Rollock, Carolyn Roper, Charles R. Santerre,John A. Sautter, A. Paul Schwab, Thomas M. Sellke, John A. Story, A. Charlene Sullivan, Elizabeth J. Taparowsky, Thomas J. Templin, Volker K. Thomas, Marion T. Trout, Bert Useem, Samuel S. Wagstaff, Val J. Watts, Herbert L. Weith, S. Laurel Weldon, G. Thomas Wilson, William R. Woodson, Yuehwern Yih, and William J. Zinsmeister.*

Absent: *Christopher R. Agnew, Kristine J. Anderson, James C. Becker, George M. Bodner, J. Stuart Bolton, James E. Braun, Bernd W. Buldt, Christian E. Butzke, Patrice M. Buzzanell, David W. Catlin, Phillip S. Dunston, Nancy F. Gabin, Mark A. Green, Steven G. Hallett, Kristine Holtvedt, Gerald C. Hyner, James L. Jenkins, Richard Johnson-Sheehan, Robert J. Joly, Stephen Martin, Mark M. Moriarty, Daniel K. Mroczek, Martin R. Okos, Alyssa Panitch, Robert D. Plante, Melissa J. Remis, Sivakumar Santhanakrishnan, Geoffrey Schultz, Jie Shen, Robert Skeel, Glenn Sparks, Lefteri H. Tsoukalas, Whitney Walton, Mara H. Wasburn and Howard Zelaznik.*

Guests: *Richard Buckius, Jarret Callahan, and Valerie O'Brien.*

1. The minutes of the meeting of 17 November 2008 were approved as distributed.

2. Professor DeCarlo made a motion to approve the agenda. His motion was seconded and the agenda was approved by acclamation.

3. President France A. Córdova presented remarks to the Senate (see Appendix A). Following her report Professor J. Paul Robinson asked how Purdue University would respond to President Obama's plans to enhance the standing of science and engineering in his administration. President Córdova remarked that she has had several meetings with her administration and the Deans of the colleges and schools to emphasize that Purdue University needs to have proposals and projects ready to submit when President Obama's proposed stimulus package is approved by Congress. Once this package is approved, there will be a short window of opportunity for Purdue and other universities to submit their proposals. President Córdova anticipates that funds from the stimulus package will be distributed to the states for distribution to appropriate projects. In addition, federal funding agencies such as USDA, NIH, and the NSF will probably receive additional funding for proposals and projects. Regardless of the funding source (USDA, NIH, NSF, etc.), Purdue

University must be ready to submit proposals as soon as the requests for proposals are sent out.

4. Professor DeCarlo presented the report of the chairperson (see Appendix B). Following his report, Professor Charlene Sullivan asked if Purdue is typical of other institutions with respect to spam, storage requirements and other email issues. Vice President Gerry McCartney said that we are typical in that we experience many of the same problems and issues as other universities of our size although we have some characteristics that provide unique challenges. Professor Sullivan than asked if there were requirements for saving email messages. VP McCartney said that email is discoverable, in the legal sense, and that when requests are made for messages they must be retained for specified lengths of time. Professor James McGlothlin made the point that storage is relatively inexpensive now and suggested that security concerns are more important. Professor DeCarlo responded that it is more of a management issue suggesting that long-term archival storage can be done on local machines rather than centrally by ITaP. These issues will continue to be addressed by ITaP and the email working group.

   Professor DeCarlo also described his understanding of the evolution of the OnePurdue system indicating that since a July meeting there has been much excellent communication although benchmarks of performance and real improvements remain to be made. Professor Sullivan then asked Professor DeCarlo what he thought the essential problem was with OnePurdue. He responded that he did not believe the software was adequate to the task and that it would take several software generations to achieve adequacy. Professor Robinson supported this with the analogy that the legacy system was fine tuned for over 30 years and we can expect the same for the OnePurdue system.

5. Professor Joan Fulton's presented, for information, the Résumé of Items under Consideration by Various Standing Committees (see Appendix C). Professor Fulton noted that several dozen professors had volunteered to serve on the working committees for the consideration of a university-wide core curriculum. She thanked those individuals who had volunteered to serve.

6. At question time the secretary reported no questions had been submitted in writing and no questions came from the floor.

7. Professor Sullivan presented, for information, *Report from the* ad hoc *Committee on Budget Transparency* (See Appendix D). Following her presentation, President Córdova noted that the type of information presented by Professor Sullivan can help all of us answer well-posed questions about the budget from the public and legislators.

8. Professor DeCarlo revisited the "DeCarlo 18" and presented the Senators with a page of brief questions that they could answer and return to him for additional input on these issues.

9. In new business, student government representative Justin Nelson presented information on the effort by the students to create a web site for course description (not course evaluation). Additional information about the proposed web site is contained in Appendix E.

10. Three memorial resolutions had been received. These were for Professors Emeritus Harold Lindsay Barrows, Agronomy; William Henry Friday III, Agricultural and Biological Engineering; and Wyman E. Nyquist, Agronomy. The Senators stood for a moment of silence to honor their departed colleagues.

11. The meeting adjourned at 4:15 p.m.

Appendix A
26 January 2009

REMARKS BY PRESIDENT FRANCE A. CÓRDOVA

Thank you, Ray, for your leadership of the University Senate. And thanks to all of you who represent the faculty, staff, and graduate and undergraduate student bodies, for your **invaluable service**.

I hope everyone had a restful holiday, and that you returned to campus refreshed and recharged. I will keep my remarks shorter today because I'll be providing a full update during my **State of University** speech at the President's Open Forum this Thursday. Ray will be introducing me at the Forum.

In past years, I've given the State of the University talk at a winter Senate meeting but the Senate leadership felt that it would invite a broader audience if it were a campus-wide event that is open to all. During that presentation, which will be in the **Union South Ballroom at 3 p.m.**, I'll bring everyone up to date on progress made on the University's Strategic Plan and discuss the fiscal and other challenges we face. I look forward to seeing you all there!

We are fortunate at Purdue that we have top-notch faculty. Here in the Senate, you have taken on tough issues like implementation of **plus-minus grading** … quality of life concerns, like developing a new **parental leave policy** … and pursuing the laudable goal of **budget transparency**.

Recently, you began exploring ways to address an important recommendation in the Strategic Planning process … the **Core Curriculum**. Dozens of faculty members have volunteered to work on this committee – that's impressive – and a display your deep interest in looking anew at what the academic mission is and can be in a new age. I'm grateful for your work.

Our faculty are to be praised for their service to the public mission of the university, and for their contributions to basic **research** that will benefit humanity broadly. Last week alone there were public announcements of at least three stunning Purdue accomplishments in research.

One, out of Graham Cooks' lab, is a test for melamine, a toxic found in Chinese food products.

Another, out of ECE professor Babak Ziaie's team – comprising mostly students -- heralds the record for how long one can stretch an electrical conductor; these liquid electrodes, developed in the Birck Nanotechnolgy lab, are being used to study stresses on cardiac cells.

A third announcement, from a team led by Tim Fisher in ME, concerns a new biosensor made of gold-coated nanocubes tethered to carbon nanotubes; the sensors could, in principle, be used to continuously monitor blood glucose for diabetics.

Last time we were together, I had just returned from a productive trip to India and China. At that meeting, I shared with you my thoughts about a furthering a **global Purdue**.

During the month of January, I continued to be On the Road for Purdue.

- I attended last week the historic inauguration of **President Barack Obama**. His pledge to "restore science to its rightful place, and wield technology's wonders to raise health care's quality and lower its cost" was an encouraging message for great research universities like ours. During my visit I met with alumni and organizations in D.C. who would further the goals of our university.

- Ten days ago I went to **Dallas and Houston**, where I met with more than 250 alumni … and urged them to stay involved and engaged with Purdue. In Houston, we were joined by Gene Cernan, the astronaut, and with him, announced that he is donating his personal papers to Purdue Libraries and Archives.

- I helped to dedicate the Purdue **Research Park** at AmeriPlex in Indianapolis. It is our fourth commercial research park, and we are expecting it to be a center of innovation, entrepreneurship and job creation for our state … just like the ones in Merrillville, New Albany and West Lafayette.

- Last week I paid another visit to **Purdue Calumet**, where I met with students who are working hard to balance their work, family, and academics as they pursue a Purdue degree. I also met impressive faculty and staff who are committed to helping students reach ever higher, and are doing inspiring research.

I have traveled the state, with many **visits to Indianapolis this month**, reminding business leaders, community leaders and especially our lawmakers of the value that Purdue brings to the state … and to all of us who live and work here. Clearly we are in an important biennial budget cycle, and there is much work to be done to communicate Purdue's directions to **all branches of State government**.

In a time when few returns are guaranteed, we need to remind our lawmakers that an investment in Purdue is golden.

You probably heard Governor Mitch Daniels' State of the State address.

He reminded us that Indiana is in an economic crisis – not as bad as some states, but bad enough to threaten even some of the most important projects before us.

As a result, we all need to make some adjustments.

Rest assured … Purdue is fiscally healthy and we intend to stay that way – through continued prudent management. I will discuss this issue more thoroughly in Thursday's State of the University address.

The Purdue University Senate will continue to be an important voice in our discussions on financial matters. Purdue's budget office is working closely with your ad hoc Committee on Budget Transparency.

My administration is committed to working with the University Senate. I would like to continue to encourage you to continue to participate in the Senate and its committees because this is a time when we need your insights, your talent, and your perspectives.

I want to encourage you, too, to bring forward your concerns – in whatever venue you feel is appropriate. We only get better by being able to stand up to question and scrutiny. It is important for us as individuals, and important for us as an institution to be open to questioning, especially when it comes from the sincere desire to move Purdue forward. *

Your insights are critical to our success as an institution. I welcome your voice and your continued engagement as we move Purdue forward… **together**.

Thank you.

Appendix B

Report of Chair to PU Senate

January 2009

1. Kudos etc

- Thank you France for all your support of our many senate activities.

- Most importantly, I would like to thank President Córdova, Provost Woodson, and Interim VP & Treasurer Almond for allowing senate leadership to participate in upcoming budget discussions.

Kudos etc-continued

- Would like to introduce Professor Mark Smith, our new Dean of the Graduate School and my former Head in Electrical and Computer Engineering. Congratulations and good luck to Mark.

Kudos etc-continued

- Would like to thank Howie for his superb cookies at the Nov Senate meeting. Since there are no powers invested in the Chair, the Chair hereby confers on Howard Zelaznik the title: Best Vice Chair Chocolate Chip Cookie Maker of 2008.

2. Special Faculty Kudos

- Dr. Howard Adler appointed the C.B. Smith Professor of Hotel Management

- Dr. Carol A. Handwerker appointed Reinhardt Schumann Jr. Professor of Materials Engineering

SF Kudos-Continued

- Dr. Jan Allebach appointed the Hewlett-Packard Distinguished Professor of ECE
- Dr. Kenneth F. Ferraro of the Dept of Sociology awarded a Distinguished Professorship

3. Dean Jamieson Reported to BOT on the State of the College of Engineering

- "Vision: we will be known by our impact on the world" -- a universal metric as we assume the consciousness of a global university.

- The outstanding rankings can be found in the November BOT minutes.

4. Email Working Group

- Question 1: What is the future of electronic communication at Purdue?
- ANSWER: **TBD**?

- Question 2: What challenges confront the electronic communication (email) at Purdue?
- ANSWER: …..

Email WG Cont.

- Management of 20-plus email servers on campus in support of “free” email (for all including spammers)
- Maintaining capability of secure reliable document transfers for scholarly and administrative activity, etc.
- Unnecessary centralized archival email storage

Email WG Cont.

- Better filtering of external SPAM
- Better filtering and management of internally generated SPAM (some email)

  (i) irrelevant seminar/event bulletins

  (ii) irrelevant cartoon, movie, joke forwards(forwards(forwards)))

Email WG Cont.

(iii) blanket emails from student groups to faculty groups on RA info, research, grader positions, etc.

Reduce impact on faculty/staff (wasted) time sorting through irrelevant emails.

Email WG Cont.

- Question 3: How do we address the current challenges and create a modern electronic communication environment for the “next generation”?

- ANSWER: Regulation of the email environment.

Regulation Examples

- Long term archival email storage on local/user computers.
- Enforce minimum performance standards for all Purdue email servers to maintain security (e.g. hacker-safety) and to reduce internal and external spam.

Email WG-Reg Exs Cont.

- Seminar Announcement regulation
  - Email announcements of school/dept seminars only go to those within the particular school with option to be removed from email list;
  - ALL seminar postings on an ITAP website sorted by College and school/department;
  - Website sign-up option for faculty and staff to subscribe to seminar/event announcements by email.

Email WG Cont.

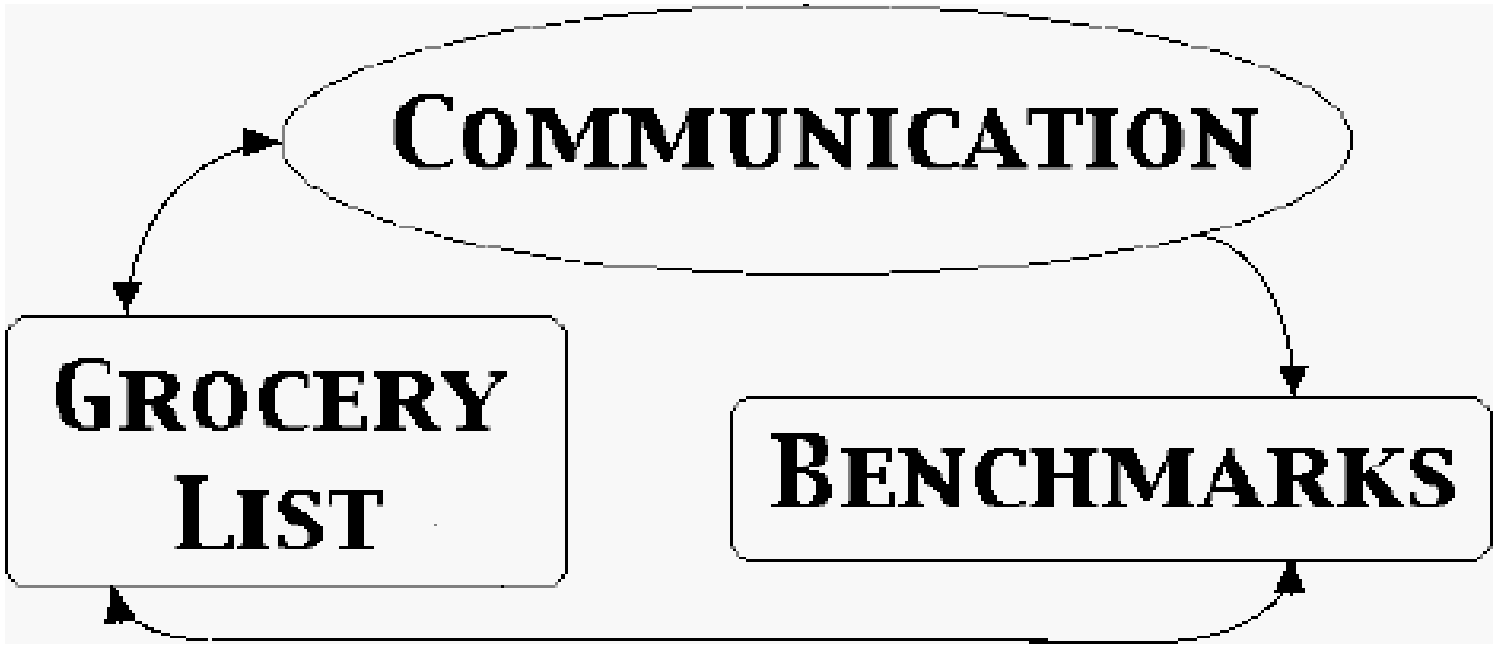
A Full report to follow at a future senate meeting.

5. OnePurdue: Happenings & Such

- Accolades to the OnePurdue team that has spent thousands and thousands of hours implementing/evolving the OnePurdue System. All have made and continue to make significant good faith efforts.

5. OnePurdue cont.

- July Meeting with ….
- Topics



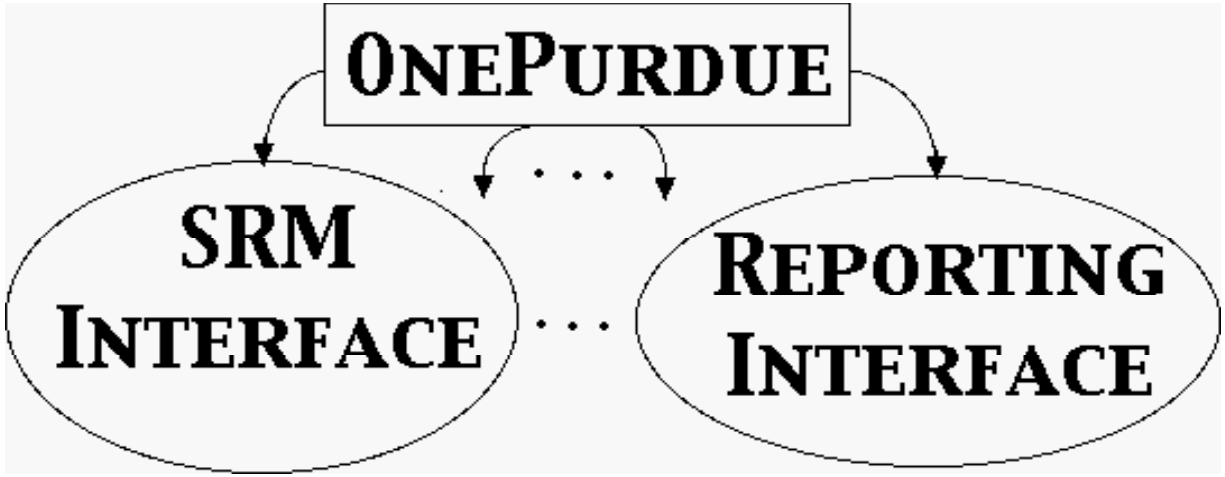
5. OnePurdue cont.

- Accomplishments since Meeting—as per efforts of Howie Z.
  - Established lines of good communication between end-users: faculty/staff/business adm and OnePurdue team.
  - Orderee receives a pdf of order

5. OnePurdue cont.

- Consultant Supervised Workshop:
  - **RESULT 1**: Larry Pherson is finalizing a list of priorities (based on various complaints/problems) and will be interacting with Zelaznik in two weeks.
  - **RESULT 2**: Mike Ludwig recently met with a faculty group to move the new AIMS (Grant reporting interface) forward. He will address the senate with status in February.

- What can be/is being done?
  - Constraint: cannot change core code.
  - Build User Interfaces



5. OnePurdue cont.

- Non-accomplishments since meeting
  - Grocery List of Fixes--
  - Benchmarks
    - Ordering Paint – ordering in general…
    - Contract reports
    - Benchmarks allow evaluation of performance relative to (i) Legacy System and (ii) improvements (soon) of OnePurdue

5. OnePurdue cont.

- What is not part of the equation?
  - Quantitative measure of impact on faculty time.
  - Benchmark: if 8000 employees waste 30 mins a day on a flawed OnePurdue, that is 4000 hours a day of unproductive time.
  - A $25 per hour value leads to about $2 million/mo in lost time or about $1 million larger than the TA budget in ECE.

5. OnePurdue cont.

- **Recommendation**: Software programs and administrative policies need to quantitatively account for impact on Faculty and Staff time—faculty and staff are not infinite resources.
- Such a resolution is currently before the URPC with regard to OnePurdue.
- Let's use our expertise to help the OnePurdue team solve the problems before us.

6. Banner: Happenings & Such

- 99.06% of all grades were in on time.
- Other services continue to be updated and problems remain to be worked through just as in OnePurdue.

7. 09 Vice Chair & Other (MARCH) Senate Elections

- Much talent rests in this room--our achievements are commensurate with the talent that steps forward.

- So please let Bill McInerney know of your willingness to serve--

09 Elections Cont.

- Interested in Vice Chair--you'll get free of charge a university vehicle sticker and the opportunity to work with Howie Zelaznik, Joe Camp, our Provost, our President, and many others in this room--to help us move forward evolving the old into the new.

- NOTE: vice chair candidates require psych evals because one must be on the edge to run ….

Appendix C
26 January 2009

TO: University Senate
FROM: Joan R. Fulton, Chairperson, Steering Committee
SUBJECT: Résumé of Items under Consideration by the Various Standing Committees

STEERING COMMITTEE Joan R. Fulton, Chairperson
fultonj@purdue.edu

The primary responsibility of the Steering Committee is the organization and distribution of the agenda for each meeting of the University Senate. This committee also receives communications from any faculty member or group of members and directs such communications to appropriate committees or officers for attention.

ADVISORY COMMITTEE Raymond A. DeCarlo, Chairperson of the Senate
decarlo@purdue.edu

The responsibility of the University Senate Advisory Committee is to advise the President and/or Board of Trustees on any matter of concern to the faculty.

NOMINATING COMMITTEE William D. McInerney, Chairperson
bmcinern@purdue.edu

The Nominating Committee is responsible for presenting nominations for the University Senate and University committees. In filling committee vacancies the Nominating Committee seeks to have all interested Senators serve on at least one committee.

EDUCATIONAL POLICY COMMITTEE Andrew Luescher, Chairperson
Luescher@purdue.edu

1. Implementation of +/- grading
2. Implementation of OnePurdue/Banner
3. Forgiveness policy
4. Course repeat policy
5. Internationalization initiative
6. Limit on credits for students on probation
7. Remedial 1-credit course for students on probation
8. Core Curriculum

FACULTY AFFAIRS COMMITTEE Charlene A. Sullivan, Chairperson
sullivaa@purdue.edu

1. Consideration of Fit Purdue Initiative with URPC
2. University Promotions Committee transparency
3. Future of Faculty Scholarship for Staff Program
4. Petition to allow noncontract funds be used for professional expenses
5. Purdue Retirement Plan Task Force

STUDENT AFFAIRS COMMITTEE H. Lee Weith, Chairperson
weith@purdue.edu

1. Review of the Student Bill of Rights
2. Follow-up concerning the Student Conduct Code
3. Follow-up with Student Services Office concerning disciplinary process

UNIVERSITY RESOURCES POLICY COMMITTEE Morris Levy, Chairperson
levy0@purdue.edu

1. Faculty input into the budgetary process: enhancing excellence in research and graduate education
2. Review of campus energy sufficiency, safety, and other Physical Facilities operations
3. Review of Faculty Committees

Chair of the Senate, Raymond A. DeCarlo, Decarlo@purdue.edu
Vice Chair of the Senate, Howard N. Zelaznik, hnzelaz@purdue.edu
Secretary of the Senate, Joseph W. Camp, Jr., jcamp@purdue.edu
University Senate Minutes; http://www.purdue.edu/usenate

Attachment A
26 January 2009

CALENDAR OF STATUS OF LEGISLATION

SENATE DOCUMENT	***TITLE***	***ORIGIN***	***SENATE***
08-1	Nominee for University Senate Student Affairs Committee	Professor William McInerney	Approved 9/8/08
08-2	Change to Section C of the University Code	Professor David J. Williams	Approved 10/20/08
08-3	Reapportionment of the University Senate	Professor Joan Fulton	Approved 11/17/08
08-4	Reaffirmation of Campus Policies for Appreciating Cultural Diversity and for Free Speech with Respectful Dialogue	Professor Morris Levy	Approved 11/17/08

***Approved**

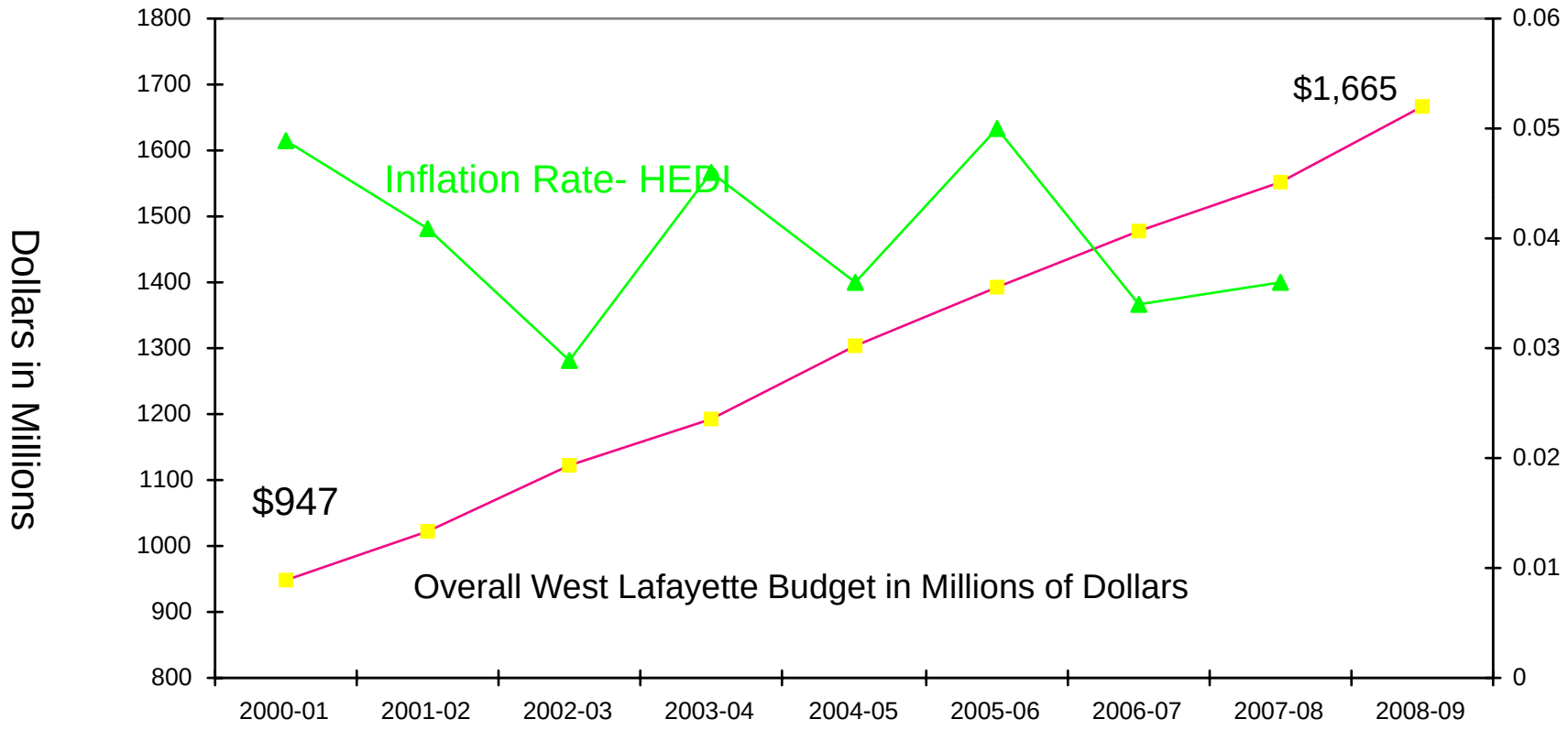
SENATE REPORTS	**TITLE**	**ORIGIN**
08-1	Report on Considerations Concerning Plus/Minus Grading	Professor Andrew Luescher
08-2	Report from *ad hoc* Committee on Budget Transparency	Professor A. Charlene Sullivan

Appendix D

Budget Transparency Report

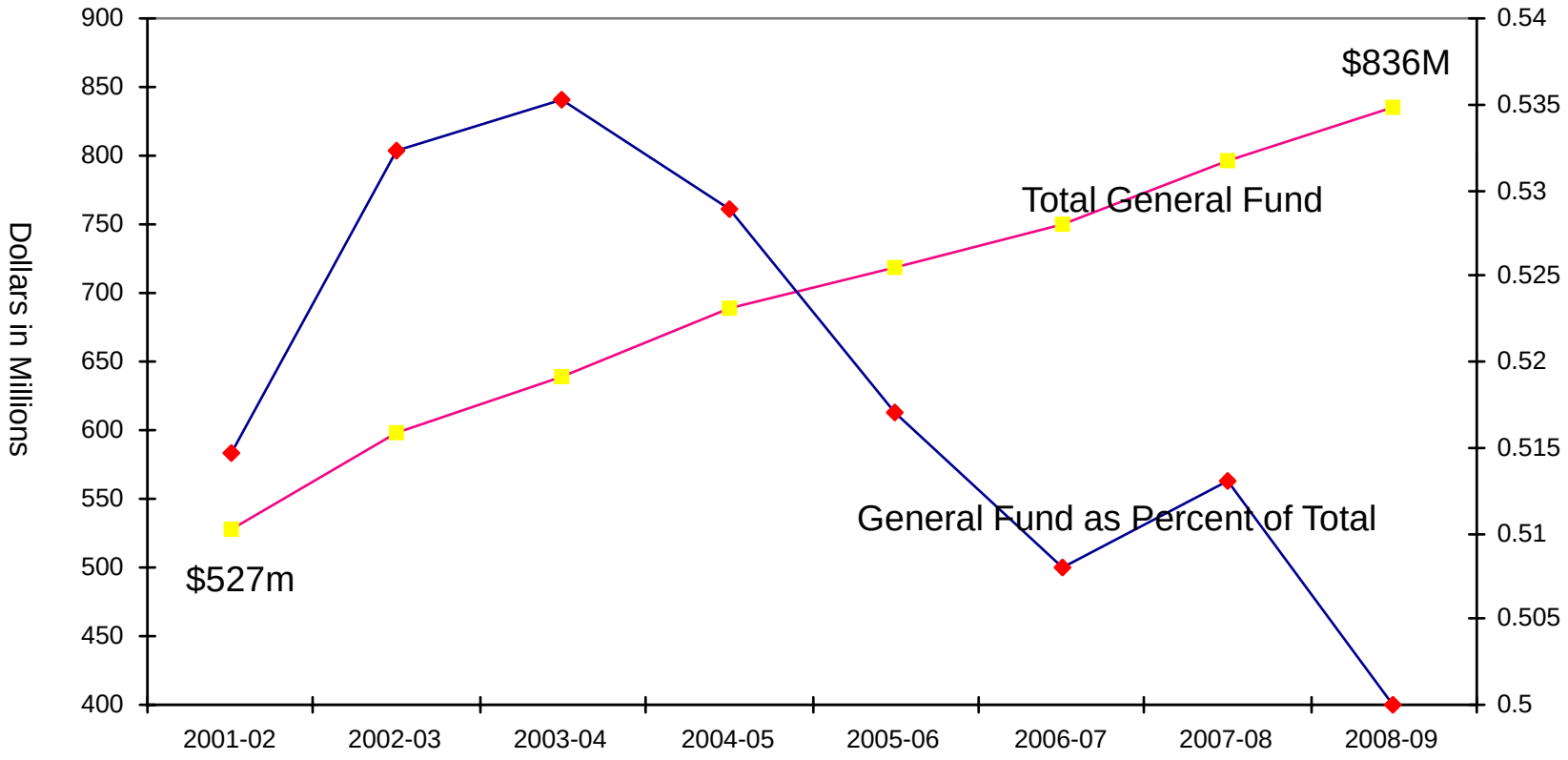
Analysis of the General Fund for the period
FY 2002-FY2009

Overall West Lafayette Campus Budget and Growth for the Period FY 2001-2009



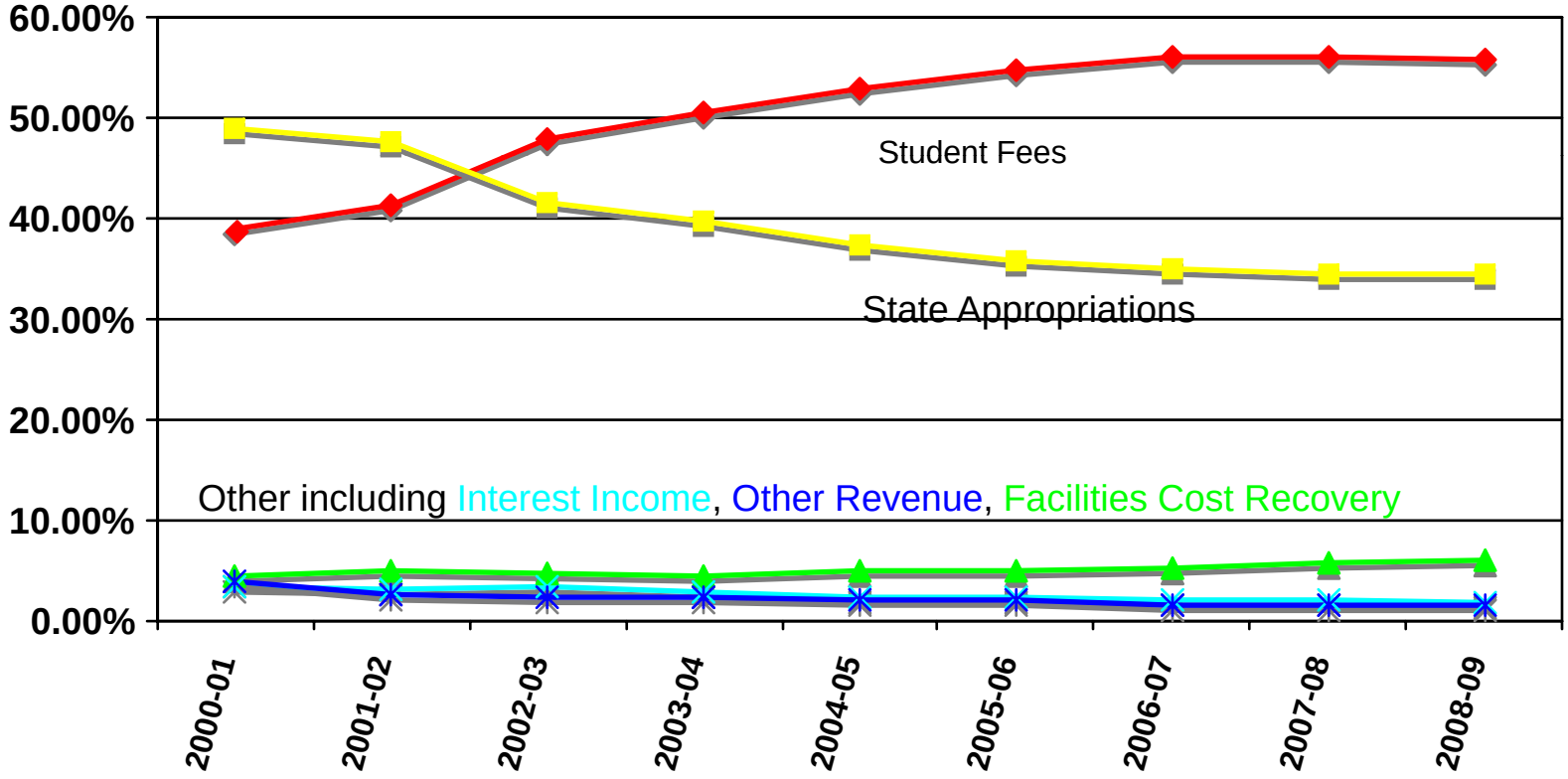
☐Note: Cumulative growth rate in overall WL budget is 75.8% vs 41% HEDI Inflation in period.

General Fund Total and as Percent of Total University Budget FY 2002-2009

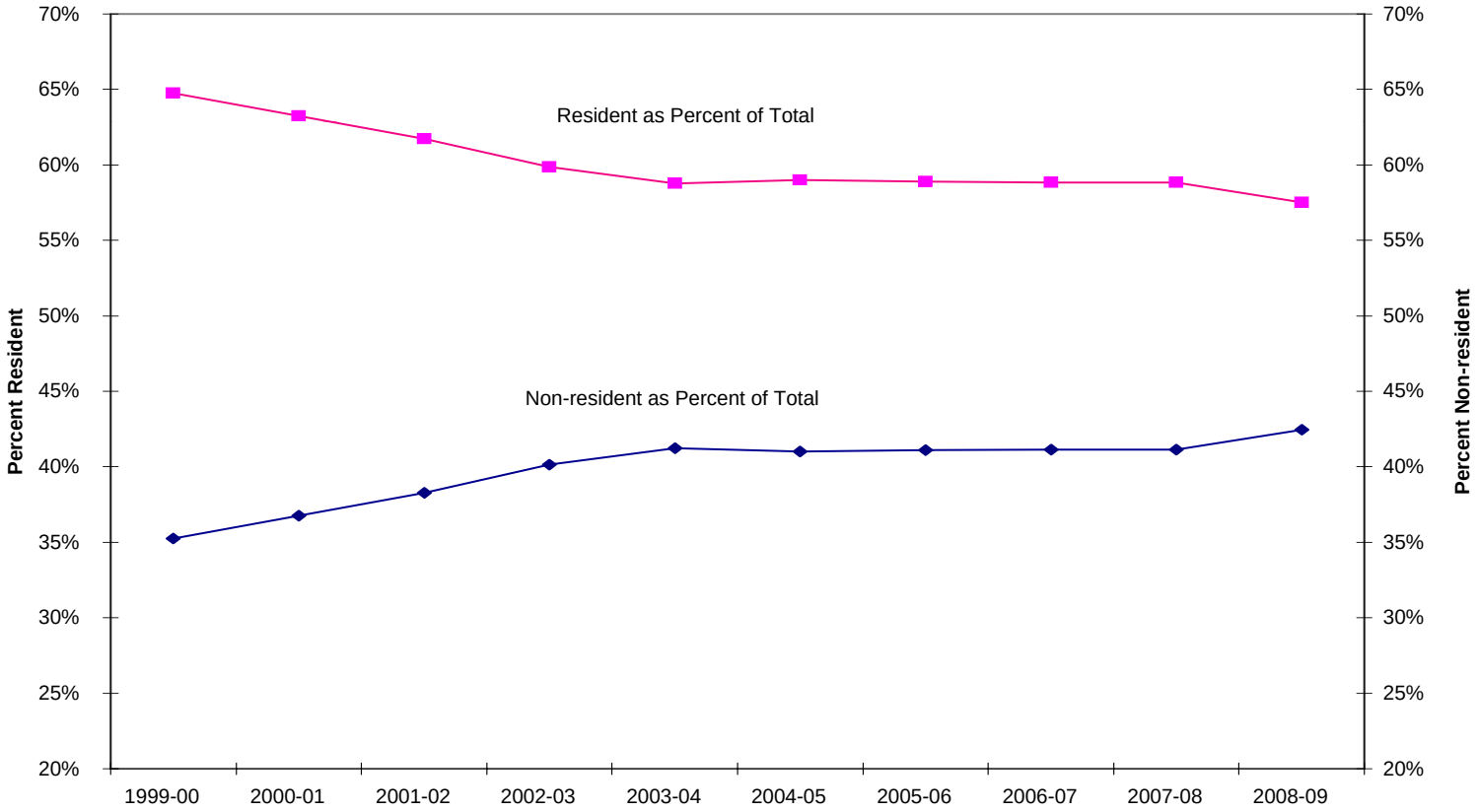


General Fund total grew by 58.6% in period.

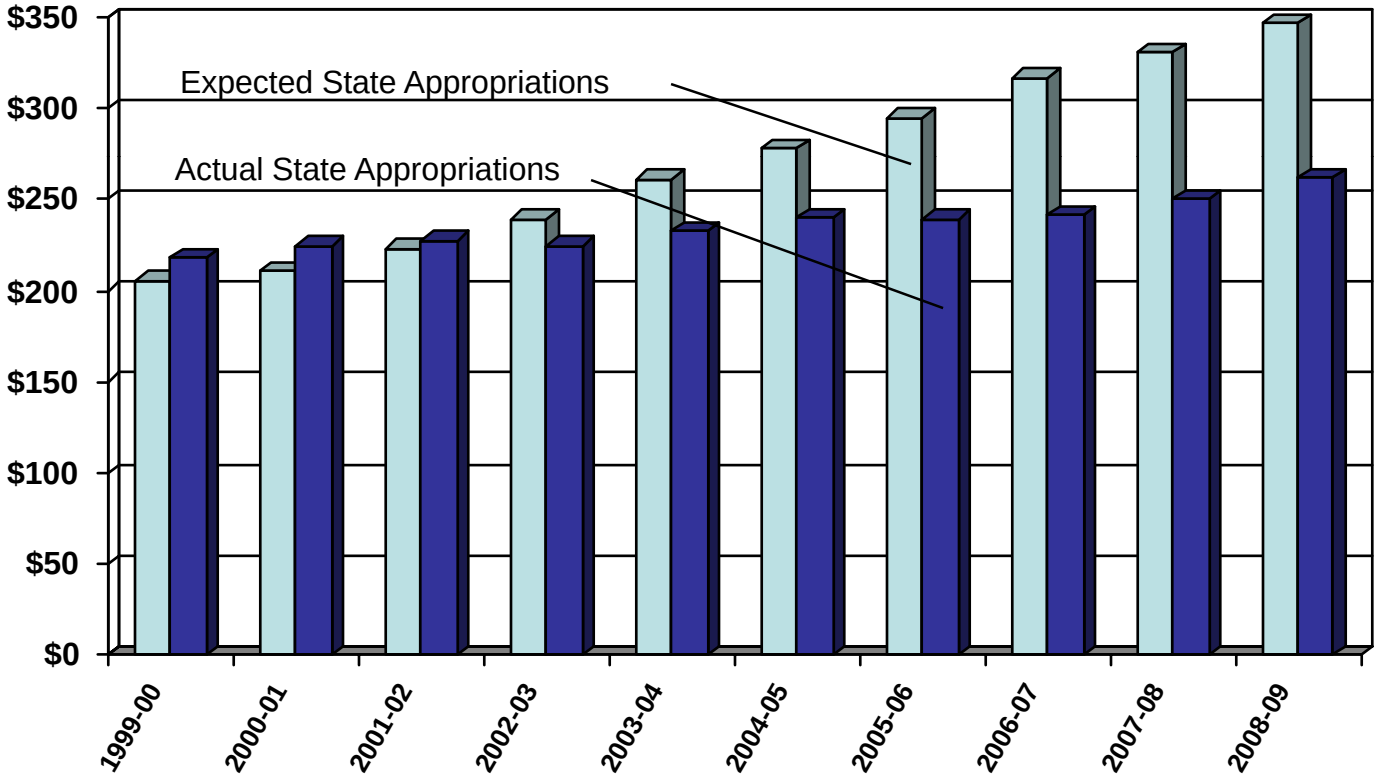
Distribution of Sources of General Funds
FY 2001-2009



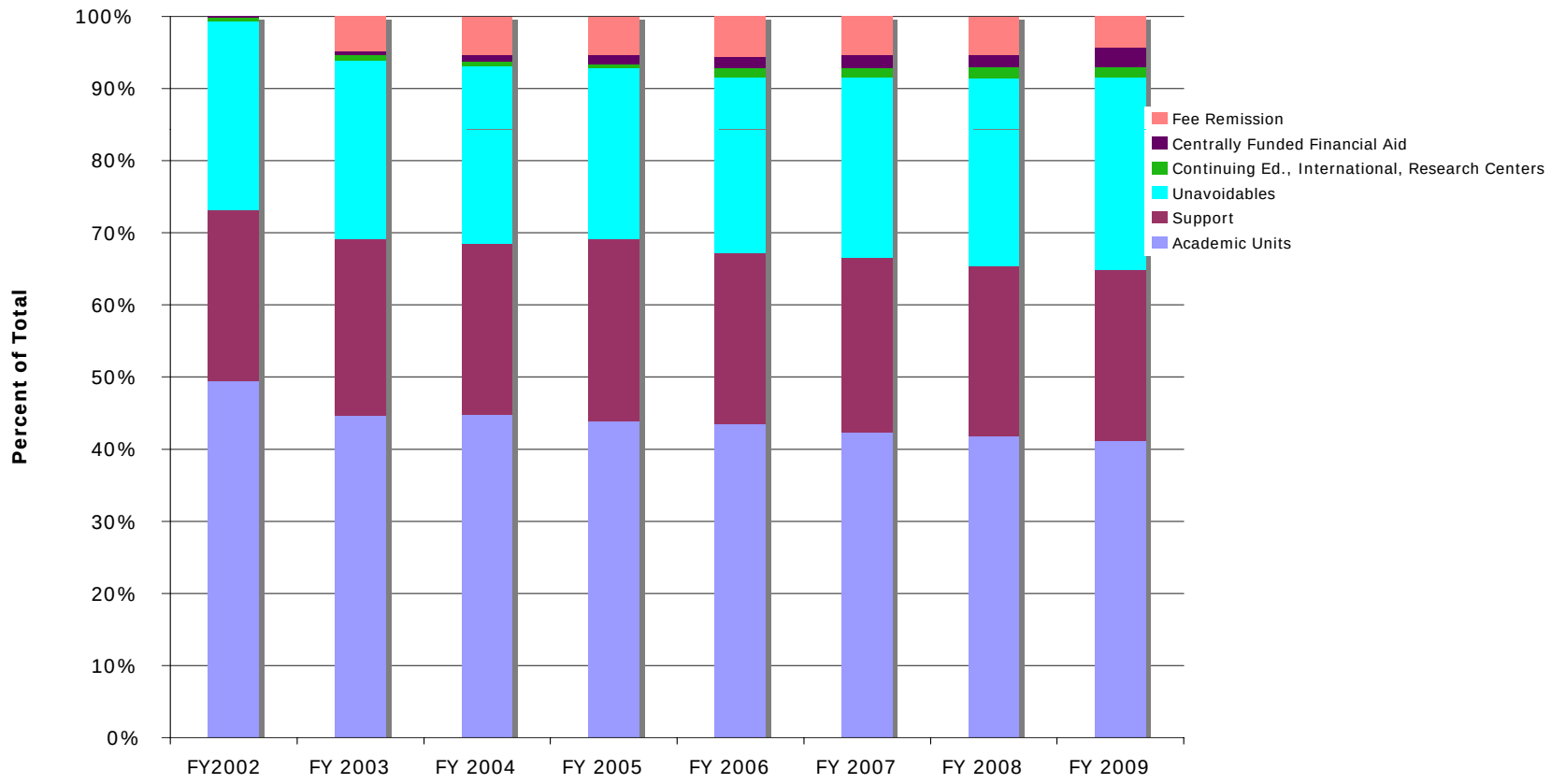
During the period, enrollment increased from about 38,000 to 40,000 or about 6 percent. Out of state students increased to about 43 % of total from 35%



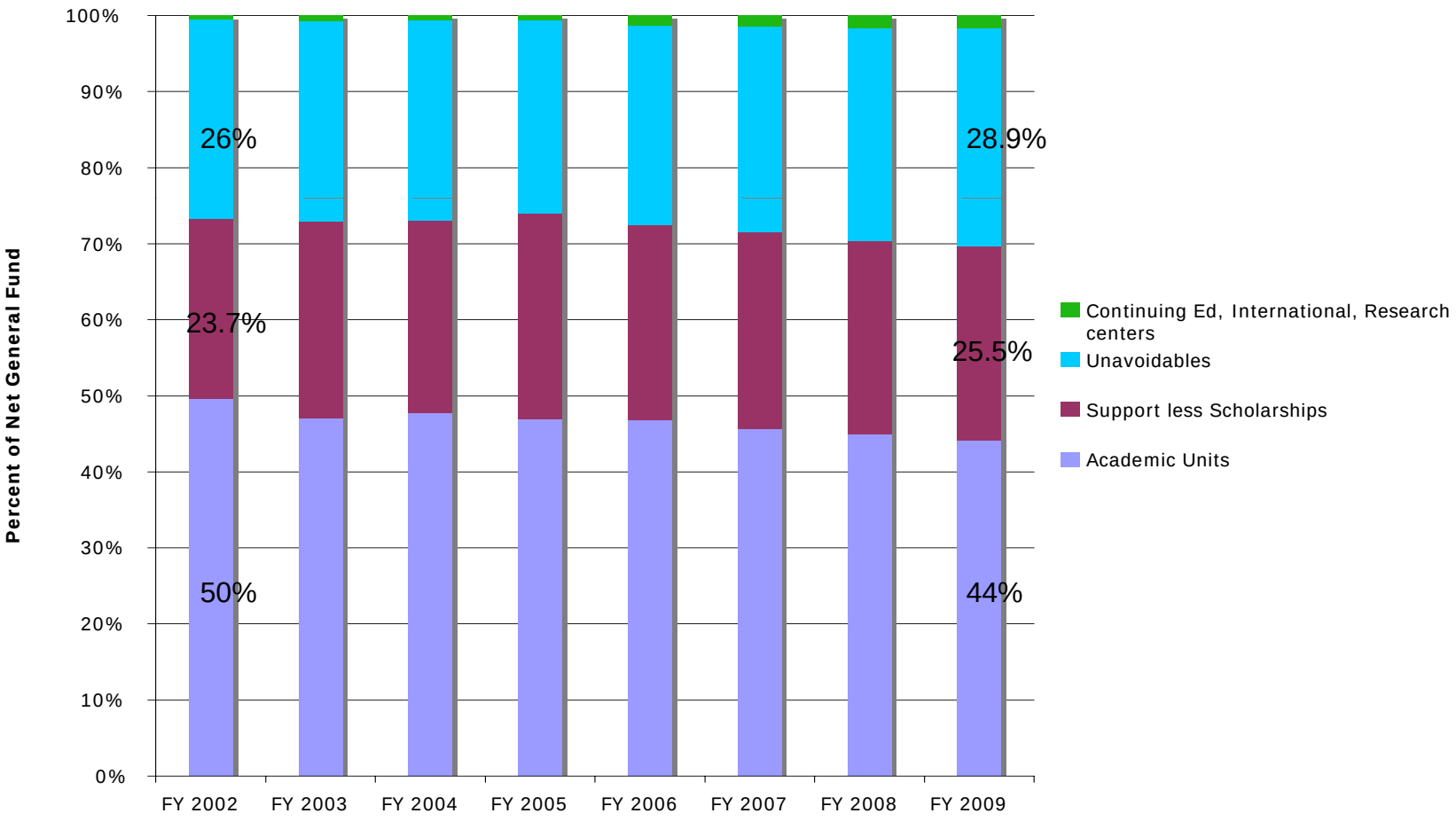
Since 2001-02, the State appropriation has trended well below expectations which is identified as the difference between in-state and out of state tuitions multiplied by # in-state students.



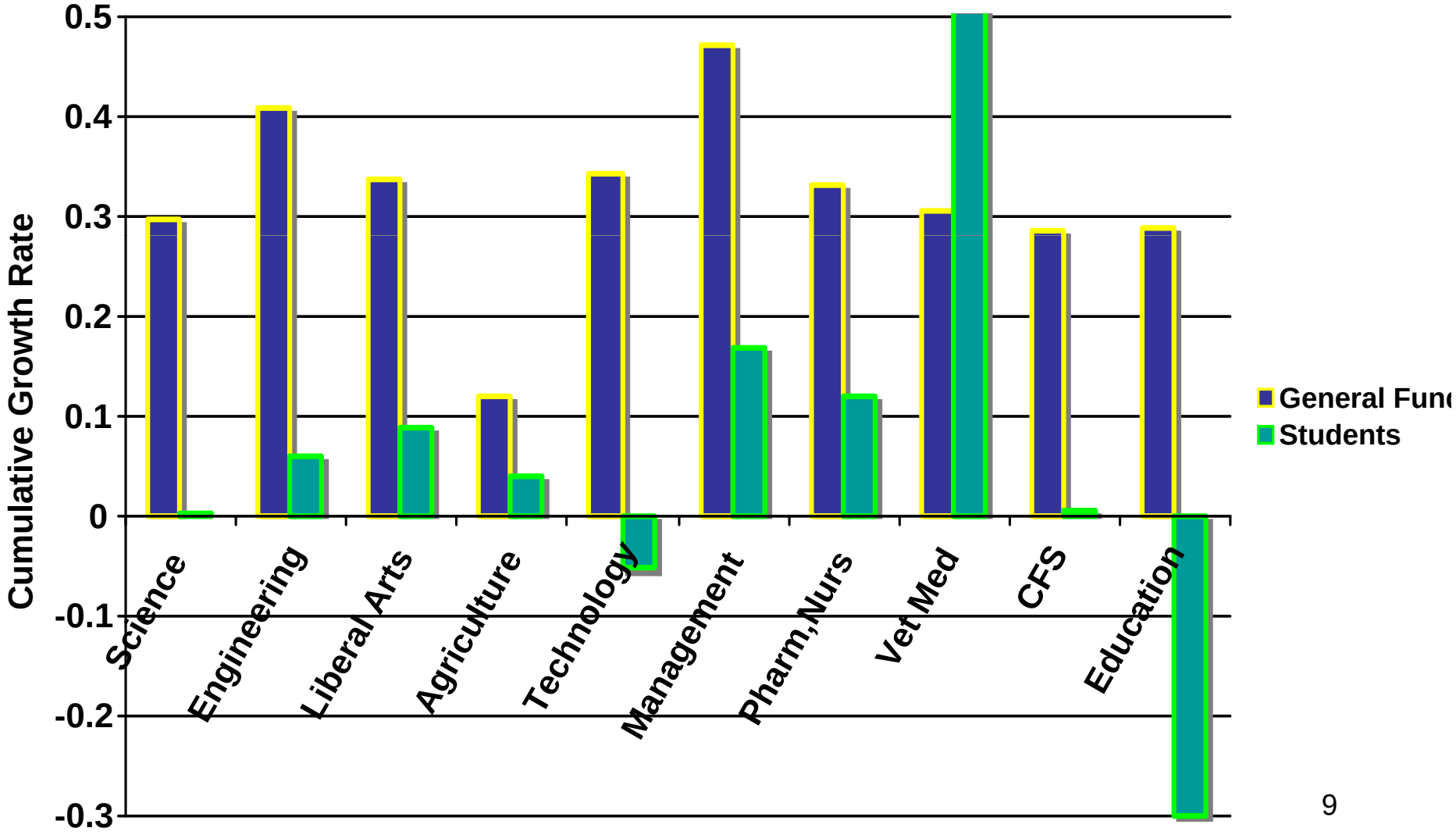
Distribution of Uses of General Funds
FY 2002-2009



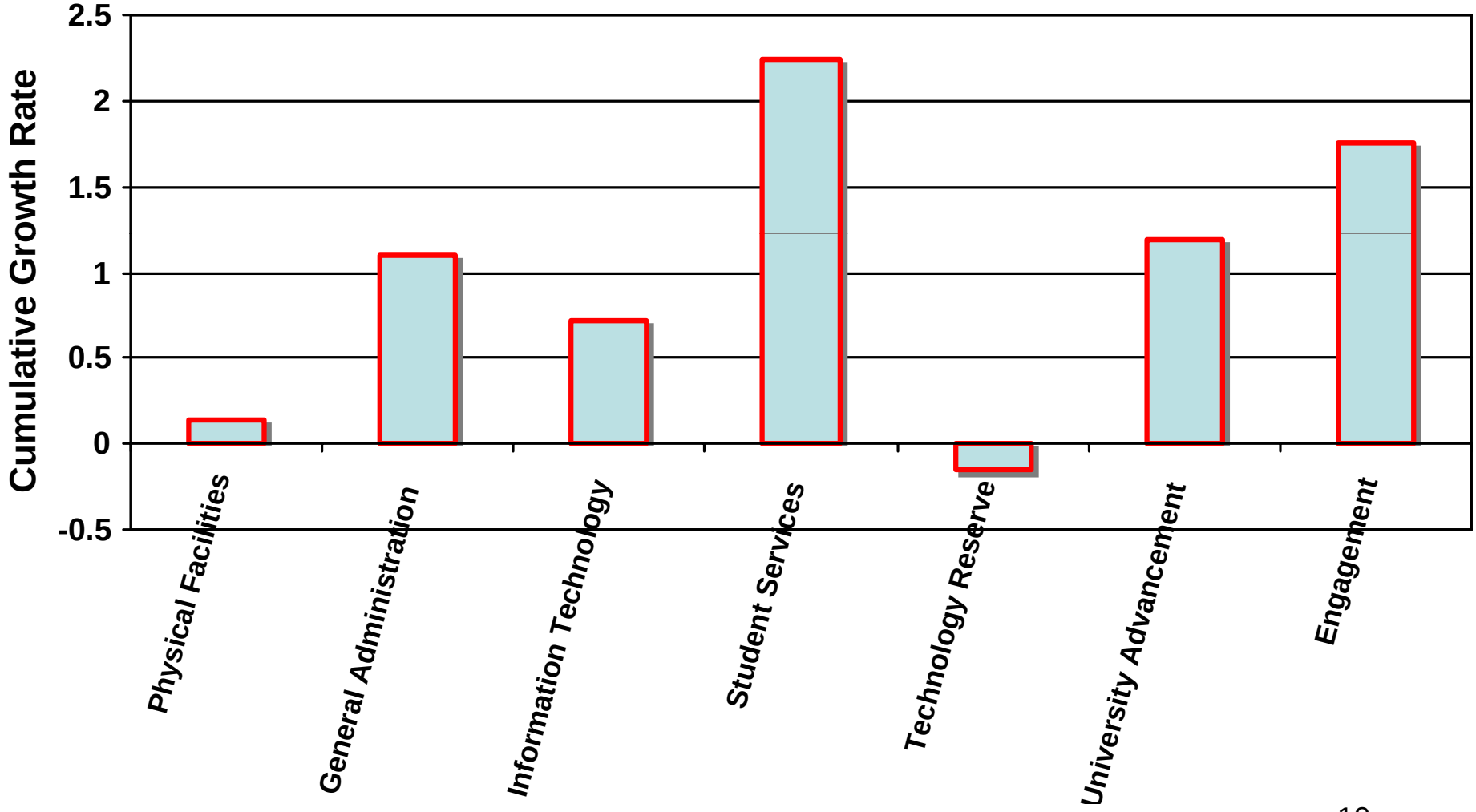
General Fund Budget Less Fee Remission and General Fund Scholarships



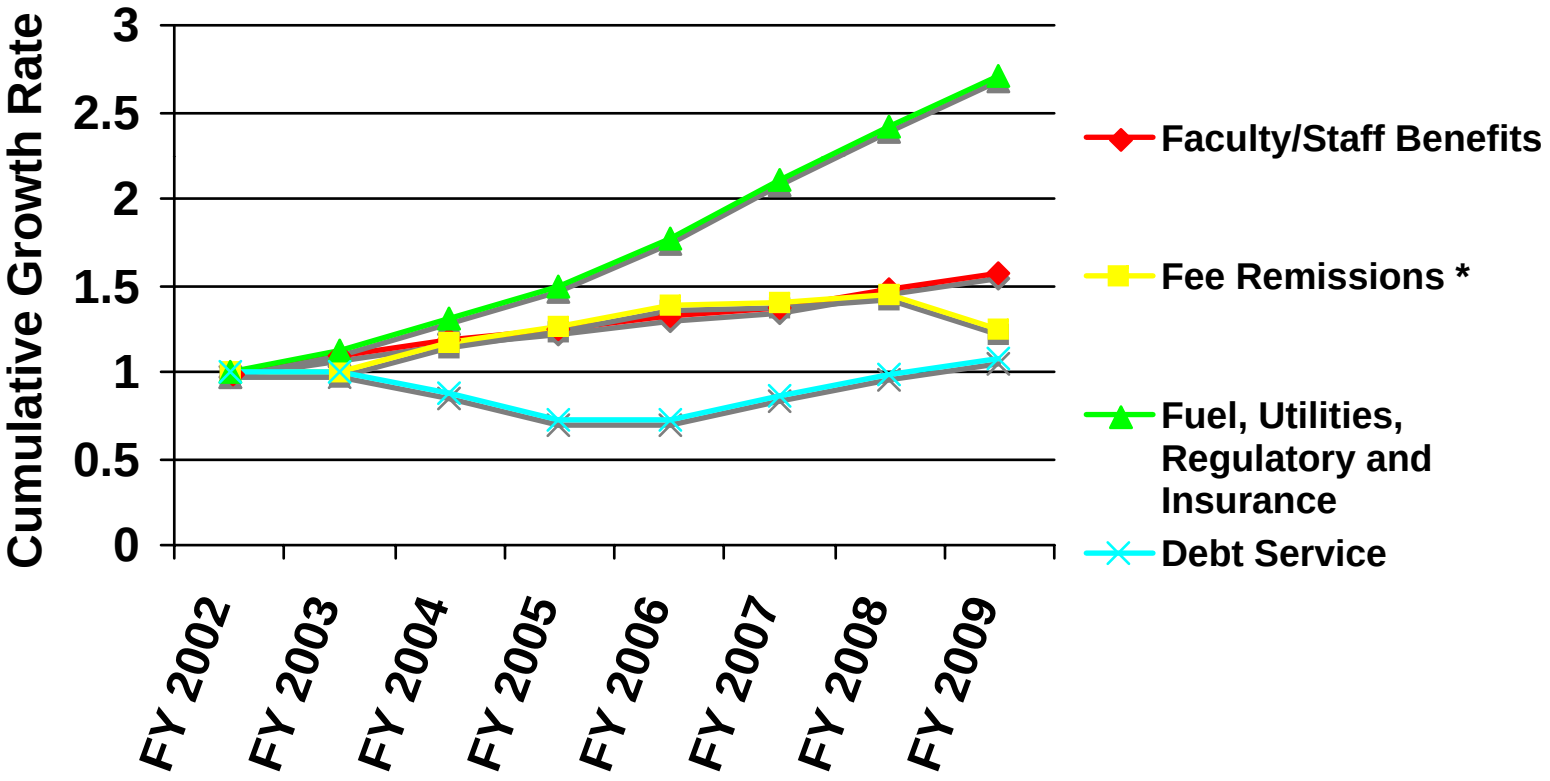
Growth in General Fund Budget for Academic Areas was 32% while overall growth in student population was about 5%



Cumulative Growth Rate for Support Categories was 76 percent from FY 2002-2009



Cumulative Growth Rate for Unavoidable Categories is 88% percent from FY 2002-2009



The cumulative increase was 33%
for this group of activities classified as General Administrative
from FY 2002-2009

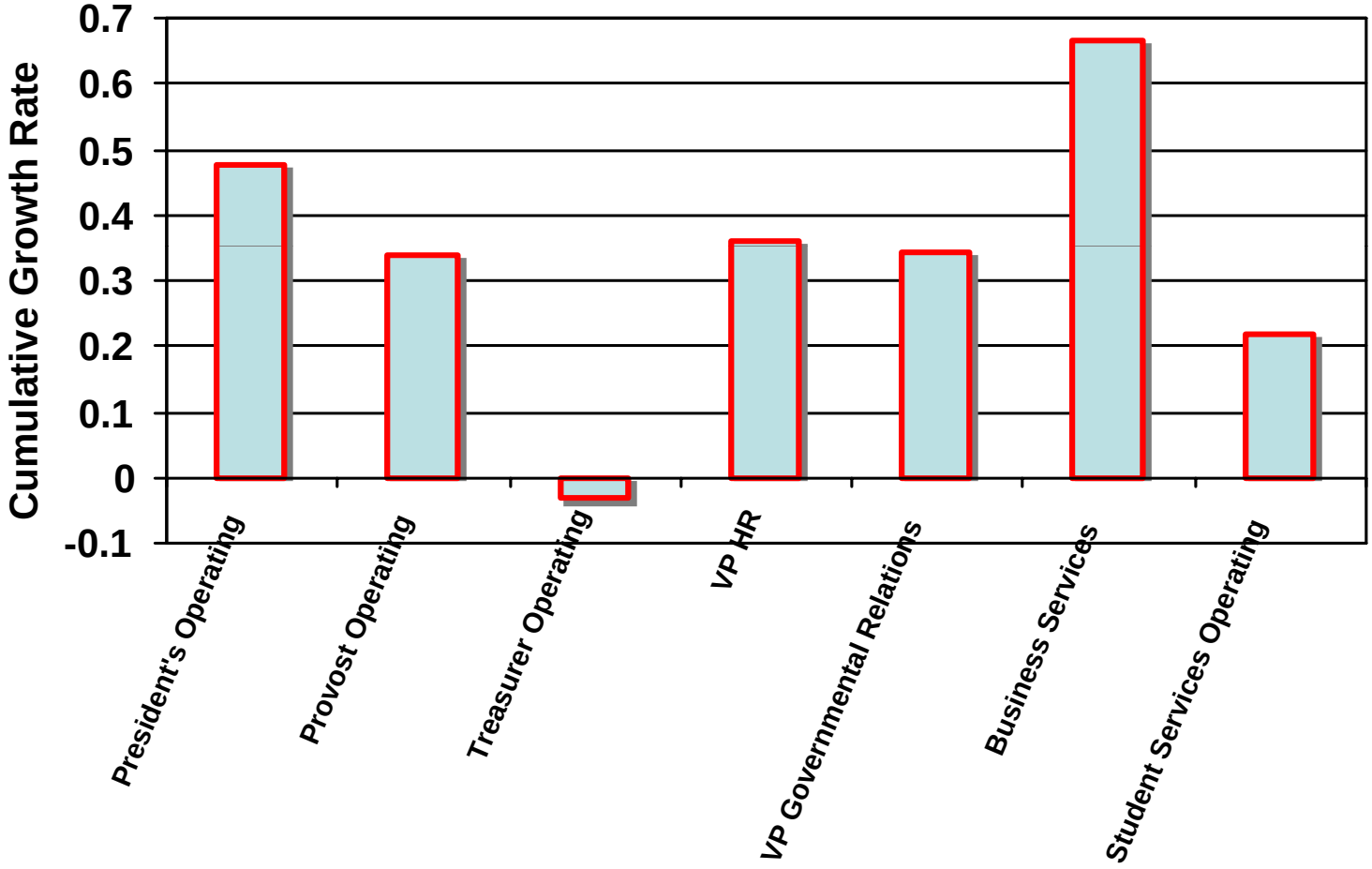


Table 1. Overall Purdue University Budget

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Avg. Ann. C Pct. I
Expenditures									
General Fund	527.0	597.5	638.6	688.8	719.1	750.8	795.7	835.9	6.8%
Restricted	257.2	290.5	307.9	329.2	368.1	404.8	411.5	447.6	8.2%
Auxiliary Enterprises	154.6	156.1	160.2	191.2	205.6	216.6	231.0	248.3	7.0%
Budgeted Student Aid	76.7	78.2	86.3	93.1	98.0	105.9	112.8	133.7	8.3%
Total, West Lafayette	1,015.5	1,122.3	1,193.0	1,302.3	1,390.8	1,478.1	1,551.0	1,665.5	7.3%
Calumet	68.0	72.1	79.0	84.8	92.1	96.3	99.4	106.3	6.6%
IU-PU Fort Wayne	82.8	91.7	101.2	109.0	120.3	123.6	133.5	144.9	8.3%
North Central	27.3	29.1	30.3	30.4	31.6	33.3	36.6	39.5	5.4%
Statewide Technology	8.6								
Total, Regional Campuses	186.7	192.9	210.5	224.2	244.0	253.2	269.5	290.7	6.5%
Total, System	1,202.2	1,315.2	1,403.5	1,526.5	1,634.8	1,731.3	1,820.5	1,956.2	7.2%
Expenditures, West Lafayette Campus									
General Fund	51.9%	53.2%	53.5%	52.9%	51.7%	50.8%	51.3%	50.2%	
Restricted	25.3%	25.9%	25.8%	25.3%	26.5%	27.4%	26.5%	26.9%	
Auxiliary Enterprises	15.2%	13.9%	13.4%	14.7%	14.8%	14.7%	14.9%	14.9%	
Budgeted Student Aid	7.6%	7.0%	7.2%	7.1%	7.0%	7.2%	7.3%	8.0%	
Total, West Lafayette	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
Expenditures, Total System									
General Fund	43.8%	45.4%	45.5%	45.1%	44.0%	43.4%	43.7%	42.7%	
Restricted	21.4%	22.1%	21.9%	21.6%	22.5%	23.4%	22.6%	22.9%	
Auxiliary Enterprises	12.9%	11.9%	11.4%	12.5%	12.6%	12.5%	12.7%	12.7%	
Budgeted Student Aid	6.4%	5.9%	6.1%	6.1%	6.0%	6.1%	6.2%	6.8%	
Total, West Lafayette	84.5%	85.3%	85.0%	85.3%	85.1%	85.4%	85.2%	85.1%	
Calumet	5.7%	5.5%	5.6%	5.6%	5.6%	5.6%	5.5%	5.4%	
IU-PU Fort Wayne	6.9%	7.0%	7.2%	7.1%	7.4%	7.1%	7.3%	7.4%	
North Central	2.3%	2.2%	2.2%	2.0%	1.9%	1.9%	2.0%	2.0%	
Statewide Technology	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Total, Regional Campuses	15.5%	14.7%	15.0%	14.7%	14.9%	14.6%	14.8%	14.9%	
Total, System	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 2. Purdue Unversity Budget, West Lafayette Campus, General Fund Revenues

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Avg. Ann. Cha Pct. D
Revenues									
Student Fees	217.1	286.8	322.5	364.9	394.2	420.4	446.1	467.8	11.6%
State Appropriation, Operating	227.4	224.4	233.0	240.2	239.1	241.3	249.9	262.0	2.0%
State Appropriation, Fee Replacement	24.4	24.4	21.3	17.6	17.6	20.9	23.9	26.1	1.0%
Admin/Operating Support Costs	37.2	27.7	29.3	35.0	36.9	39.9	46.0	49.8	4.3%
Interest Income	17.0	19.9	18.0	16.5	16.5	16.5	16.5	16.5	-0.4%
Income Producing Activities/Other	4.0	14.4	14.5	14.6	14.8	11.8	13.2	13.7	19.2%
Total General Fund	527.1	597.6	638.6	688.8	719.1	750.8	795.6	835.9	6.8%
Revenues, Percent of Total									
Student Fees	41.2%	48.0%	50.5%	53.0%	54.8%	56.0%	56.1%	56.0%	
State Appropriation, Operating	43.1%	37.6%	36.5%	34.9%	33.2%	32.1%	31.4%	31.3%	
State Appropriation, Fee Replacement	4.6%	4.1%	3.3%	2.6%	2.4%	2.8%	3.0%	3.1%	
Admin/Operating Support Costs	7.1%	4.6%	4.6%	5.1%	5.1%	5.3%	5.8%	6.0%	
Interest Income	3.2%	3.3%	2.8%	2.4%	2.3%	2.2%	2.1%	2.0%	
Income Producing Activities/Other	0.8%	2.4%	2.3%	2.1%	2.1%	1.6%	1.7%	1.6%	
Total General Fund	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 3. Purdue Unversity Budget, West Lafayette Campus, General Fund Expenditures

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Avg. Ann. Change Pct.	Avg. Ann. Change Dollars	Percent of Total 2002	Percent of Total 2009
Expenditures, Totals												
Academic Areas	263.7	270.8	289.5	306.0	321.0	327.7	344.5	355.8	4.4%	13.2	50.0%	42.6%
Support Areas	125.6	149.6	158.5	183.3	182.8	194.5	202.3	221.0	8.4%	13.6	23.8%	26.4%
Other	137.8	177.2	190.7	199.6	215.3	228.5	248.8	259.1	9.4%	17.3	26.1%	31.0%
Total General Fund	527.1	597.6	638.7	688.9	719.1	750.7	795.6	835.9	6.8%	44.1	100.0%	100.0%
Expenditures, Detailed												
Academic Areas												
Science	49.6	50.4	53.9	55.0	57.5	58.6	61.3	64.4	3.8%	2.1	18.8%	18.1%
Engineering	43.9	45.2	46.8	48.8	56.1	56.6	59.6	61.7	5.0%	2.6	16.6%	17.4%
Liberal Arts	38.3	39.3	42.9	44.4	45.7	47.0	49.0	51.2	4.2%	1.8	14.5%	14.4%
Agriculture	34.4	31.9	33.3	34.4	35.6	35.9	37.4	38.5	1.6%	0.6	13.1%	10.8%
Academic Reserves/Provost Initiatives	13.4	17.5	20.5	27.3	22.4	22.2	21.2	19.4	5.5%	0.9	5.1%	5.5%
Libraries	15.8	16.0	16.8	17.4	17.7	18.3	19.3	19.8	3.2%	0.6	6.0%	5.6%
Technology	14.4	14.3	15.8	16.3	17.2	17.5	18.4	19.4	4.3%	0.7	5.5%	5.4%
Management	13.2	13.6	15.8	16.3	16.9	17.4	18.7	19.4	5.7%	0.9	5.0%	5.4%
Pharmacy, Nursing and Health Sciences	12.3	12.1	12.8	13.5	14.1	14.5	15.5	16.3	4.2%	0.6	4.7%	4.6%
Veterinary Medicine	11.1	11.3	11.8	12.2	12.6	12.7	13.9	14.5	3.9%	0.5	4.2%	4.1%
Consumer and Family Sciences	7.6	7.8	8.1	8.5	8.8	8.9	9.3	9.8	3.7%	0.3	2.9%	2.8%
Education	6.8	7.0	7.2	7.6	7.9	8.1	8.6	8.7	3.7%	0.3	2.6%	2.4%
International Programs	0.0	1.5	1.9	2.2	2.3	2.4	2.6	2.7				0.8%
Continuing Education & Conferences	2.9	2.9	1.1	1.2	1.4	1.7	1.7	1.8	-6.3%	-0.2	1.1%	0.5%
Research Centers & Discovery Park	0.0	0.0	0.8	0.8	5.0	5.9	8.1	8.1				2.3%
Total, Academic Areas	263.7	270.8	289.5	306.0	321.0	327.7	344.5	355.8	4.4%	13.2	100.0%	100.0%
Support Areas												
Physical Facilities	42.6	42.0	43.0	44.1	45.2	44.7	46.6	48.4	1.8%	0.8	33.9%	21.9%
General Administration	29.9	39.7	41.1	53.6	46.1	54.9	57.2	62.5	11.1%	4.7	23.8%	28.3%
Information Technology	24.8	29.1	37.9	38.3	38.9	39.0	40.3	42.5	8.0%	2.5	19.8%	19.2%
Student Services	13.9	16.6	19.1	28.8	32.4	34.2	35.8	45.0	18.3%	4.4	11.1%	20.4%
Technology Reserve	8.1	10.8	5.6	6.3	7.2	7.3	7.0	6.9	-2.3%	-0.2	6.4%	3.1%
University Advancement	6.3	10.7	10.8	11.5	11.4	12.7	13.5	13.8	11.9%	1.1	5.0%	6.3%
Engagement	0.0	0.7	0.8	0.7	1.6	1.7	1.8	1.9		0.3		0.9%
Total, Support Areas	125.6	149.6	158.5	183.3	182.8	194.5	202.3	221.0	8.4%	13.6	100.0%	100.0%
Other												
Staff Benefits	96.5	105.0	113.8	120.4	127.9	131.8	142.5	151.3	6.6%	7.8	70.1%	58.4%
Fee Remissions	0.0	28.8	33.5	36.3	40.0	40.1	41.7	35.9		5.1	0.0%	13.9%
Fuel, Utilities, Regulatory and Insurance	16.9	19.0	22.1	25.3	29.8	35.7	40.8	45.8	15.3%	4.1	12.3%	17.7%
Debt Service	24.4	24.4	21.3	17.6	17.6	20.9	23.9	26.1	1.0%	0.2	17.7%	10.1%
Total, Other	137.8	177.2	190.7	199.6	215.3	228.5	248.8	259.1	9.4%	17.3	100.0%	100.0%

Table 4. Purdue Unversity Budget, West Lafayette Campus, General Fund Expenditures

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Avg. Ann. Change Pct.	Avg. Ann. Change Dollars	Percent of T 2002
Expenditures											
Salaries and Wages	297.1	305.5	331.5	354.5	373.4	389.5	412.2	437.5	5.7%	20.1	56.4%
Supplies and Expense	78.3	114.9	116.4	134.7	118.8	119.6	120.6	116.8	5.9%	5.5	14.9%
Unavoidables, Staff Related	96.5	105.0	113.8	120.4	127.9	131.8	142.5	151.3	6.6%	7.8	18.3%
Unavoidables, Fuel, Utilities, Insurance	16.9	19.0	22.1	25.3	29.8	35.7	40.8	45.8	15.3%	4.1	3.2%
Debt Service	24.4	24.4	21.3	17.6	17.6	20.9	23.9	26.1	1.0%	0.2	4.6%
Fee Remissions		28.8	33.5	36.3	40.0	40.1	41.7	35.9			0.0%
Scholarships and Grants					11.6	13.2	14.1	22.5			0.0%
New Allocations	13.8										2.6%
Total General Fund	527.0	597.6	638.6	688.8	719.1	750.8	795.8	835.9	6.8%	44.1	100.0%

Table 5. Purdue University Budget, West Lafayette Campus, Restricted Fund Expenditures

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Avg. Ann. Change Pct.	Avg. Ann. Change Dollars	Percent of Tot 2002	
Expenditures												
Academic Areas	231.2	254.2	252.1	265.9	278.2	300.9	311.7	331.7	5.3%	14.4	97.5%	
Support Areas	5.9	4.2	8.2	16.0	41.3	50.1	53.2	64.0	40.5%	8.3	2.5%	
Other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0%	
Total Restricted Funds	237.1	258.4	260.3	281.9	319.5	351.0	364.9	395.7	7.6%	22.7	100.0%	1
Expenditures												
Academic Areas												
Science	33.4	34.6	35.7	38.6	39.9	43.7	45.8	46.6	4.9%	1.9	14.5%	
Engineering	53.6	56.1	56.9	60.7	62.8	77.5	79.0	78.6	5.6%	3.6	23.2%	
Liberal Arts	6.1	7.0	7.5	7.4	6.6	6.5	9.3	9.8	7.1%	0.5	2.6%	
Agriculture	86.8	88.3	88.8	89.3	93.2	95.9	99.1	108.4	3.2%	3.1	37.6%	
Academic Reserves/Provost Initiatives	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0%	
Libraries	1.2	1.8	0.8	0.9	0.9	1.0	1.3	1.2	0.1%	0.0	0.5%	
Technology	4.6	4.7	4.9	7.2	8.5	8.7	8.1	11.0	13.3%	0.9	2.0%	
Management	0.0	8.7	9.5	9.8	10.2	10.3	11.0	12.2		1.7	0.0%	
Pharmacy, Nursing and Health Sciences	11.0	12.8	11.2	11.8	12.0	11.4	10.6	10.5	-0.6%	-0.1	4.7%	
Veterinary Medicine	9.6	11.7	10.6	11.5	12.9	14.3	14.7	15.2	6.9%	0.8	4.1%	
Consumer and Family Sciences	13.8	14.2	13.6	13.6	16.3	16.5	16.3	18.7	4.5%	0.7	6.0%	
Education	7.2	10.7	9.7	10.6	11.7	11.3	12.9	15.3	11.5%	1.2	3.1%	
International Programs	3.4	3.4	2.9	4.5	3.0	3.5	3.4	3.8	1.6%	0.1	1.5%	
Continuing Education & Conferences	0.0	0.0	0.1	0.1	0.2	0.3	0.2	0.2		0.0	0.0%	
Research Centers & Discovery Park	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	-100.0%	-0.1	0.3%	
Total, Academic Areas	231.2	254.2	252.1	265.9	278.2	300.9	311.7	331.7	5.3%	14.4	100.0%	1
Support Areas												
Physical Facilities	0.0	0.0	0.0	3.4	5.2	6.0	7.5	31.2		4.5	0.0%	
General Administration	1.1	2.0	3.5	4.0	4.2	5.0	4.0	4.1	20.9%	0.4	18.2%	
Information Technology	2.2	0.0	0.5	0.5	1.4	4.3	6.1	6.1	15.9%	0.6	36.6%	
Student Services	1.0	1.0	1.4	1.7	1.6	1.4	1.6	1.6	6.7%	0.1	16.8%	
Technology Reserve	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0%	
University Advancement	1.7	1.1	1.6	1.3	1.6	3.2	3.2	3.5	10.7%	0.3	28.5%	
Engagement	0.0	0.2	1.2	5.1	2.6	7.4	10.5	14.3		2.0	0.0%	
OnePurdue	0.0	0.0	0.0	0.0	24.7	22.7	20.2	3.4		0.5	0.0%	
Total, Support Areas	5.9	4.2	8.2	16.0	41.3	50.1	53.2	64.0	40.5%	8.3	100.0%	1

Table 6. Purdue Unversity Budget, West Lafayette Campus, Auxiliary Enterprises Expenditures

	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Avg. Ann. Change 2005-2009 Percent	Avg. Ann. Change 2005-2009 Dollars	Percent of Total 2005	Percent of Total 20
Expenditures												
Housing and Food Services	80.4	79.7	83.0	85.5	93.7	98.8	107.5	112.7	7.1%	6.8	44.7%	45.
Health and Recreational Services	43.9	46.7	47.8	48.7	51.8	56.3	58.9	66.9	8.3%	4.6	25.5%	26.
Service Enterprises	30.3	29.7	29.4	57.0	60.1	61.5	64.6	68.7	4.8%	2.9	29.8%	27.
Total, Auxiliary Enterprises	154.6	156.1	160.2	191.2	205.6	216.6	231.0	248.3	6.8%	14.3	100.0%	100.
Expenditures												
Housing and Food Services												
Campus Housing	65.8	67.2	70.6	72.1	79.4	83.5	89	94	6.9%	5.5	84.2%	83.
Purdue Memorial Union	14.6	12.5	12.4	13.5	14.3	15.3	18.4	18.7	8.5%	1.3	15.8%	16.
Total, Housing and Food Services	80.4	79.7	83.0	85.6	93.7	98.8	107.4	112.7	7.1%	6.8	100.0%	100.
Health and Recreational Services												
Athletics	34.2	36.3	37.2	38.1	41.1	45.4	47.5	54.9	9.6%	4.2	78.2%	82.
Student Health Center	6.1	6.3	6.6	6.9	7	7.3	7.9	8.3	4.7%	0.4	14.2%	12.
Recreational Sports Center	1.7	2.2	2.2	1.4	1.5	1.6	1.7	1.9	7.9%	0.1	2.9%	2.
Convos and Lectures	1.8	1.9	1.7	2.3	2.2	1.9	1.8	1.8	-5.9%	-0.1	4.7%	2.
Total, Health & Recreational Services	43.8	46.7	47.7	48.7	51.8	56.2	58.9	66.9	8.3%	4.6	100.0%	100.
Service Enterprises												
Telephone Office				9.5	9.6	10.4	11.4	10.8	3.3%	0.3	16.7%	15.
Other Enterprises	5.9	5.1	6.3	7.4	8.6	8.6	9.6	10.2	8.4%	0.7	13.0%	14.
Food Stores				7.7	8.4	8.2	8.8	9.9	6.5%	0.6	13.6%	14.
Printing Services	7.8	7.8	8.2	8.1	7.9	7.9	8.1	8.5	1.2%	0.1	14.3%	12.
IT Services				4.2	4.4	4.1	6.1	8.4	18.9%	1.1	7.4%	12.
Transportation	3.3	3.4	3.6	3.7	3.9	4.6	5.0	5.4	9.9%	0.4	6.5%	7.
University Stores	7.3	7.4	7.3	4.5	5	5.1	5.1	5.1	3.2%	0.2	7.9%	7.
Parking	3.3	3.3	3.5	3.6	4.1	4.1	4.3	4.3	4.5%	0.2	6.3%	6.
Hall of Music				2.6	2.7	2.9	2.9	3.0	3.6%	0.1	4.6%	4.
Mail Services				5	4.9	5.0	2.7	2.6	-15.1%	-0.6	8.8%	3.
Airport	0.4	0.4	0.5	0.5	0.6	0.6	0.5	0.5	0.0%	0.0	0.9%	0.
Insurance Services	2.3	2.3										
Total, Service Enterprises	30.3	29.7	29.4	56.8	60.1	61.5	64.5	68.7	4.9%	3.0	100.0%	100.

General Observations

- General fund has declined slightly as a percent of overall university budget as gifts, grants and contracts have increased.
- Growth in general fund budget allocation to schools is not correlated with growth in students.
- General fund allocations to support activities and unavoidables have grown rapidly, reflecting environmental issues and changes in strategic plan
- Future threat is declining state appropriations in the face of rapidly increasing unavoidables such as fuel and health benefits
- Another threat from current economic crisis is the potential impact on growth in out-of-state students

Message from Ray DeCarlo, Chair, University Senate:
I have been asked the question as to why it is the top issue and I really do not know. So please fill out the survey form so that we can better understand why some of the issues were voted so highly.

INFORMATION CLARIFICATION SURVEY ON DECARLO18

COMPENSATION: Faculty-staff compensation was the number 1 issue of concern to the senate. From your perspective, what one or two causes underlie this prominence of compensation? What aspects of compensation are critical, in your view, to the maintenance and improvement of quality of Purdue University?

QUALITY OF LIFE: It has been mentioned that crowding in the classroom, in walking to and from classes, and the similar dimension of cramped office space are not conducive to a quality educational environment. So in regards to quality of life at Purdue University, what other areas need improvement?

OTHER: Please feel free to comment on any of the other issues of concern to the senate.

Voting Results on the DeCarlo18 from the October Senate Meeting

	Issue #	Total Pts
Compensation	18	99
Core Curric	2	89
Quality of Life	6	88
Budget Trans	4	87
F&S Success	17	83
Stu Ret & Grad	14	58
Grad Edu	3	54
Int Collab & Exchng	15	25
Mentoring Asst Profs	13	22
F&S Club	11	21
Tchng Evals	5	21
Adm Integrity	9	15
Stu Study Abroad	16	10
Named Tas & Fellowships	10	9
Code of Conduct Rev	7	8
Civility & Collegialty Policy	12	7
Staff Vtng Rts	1	5
Academic Integrity Policy	8	3

Appendix E

NEW BUSINESS:

One of the legs of the tri-fold Strategic Plan of Purdue University is the goal of Launching Tomorrow's Leaders. To accomplish this goal, the Strategic Plan states that Purdue must have "**a superior student body**" and "excellence in teaching and support services." Also, "**strong support services**" will "increase success, retention, and graduation for students from all backgrounds, with particular attention to students performing below their potential success levels" (Purdue University's Strategic Plan, pg 6). As has been discussed extensively, **student retention** is one of these most important arenas for improvement.

THEREFORE, WE PROPOSE THE ESTABLISHMENT OF AN ONLINE SYSTEM IN WHICH STUDENTS MAY REVIEW COURSES THEY HAVE TAKEN, AND READ THE REVIEWS OF OTHER STUDENTS BEFORE REGISTERING FOR COURSES.

Online Course Reviews will be beneficial to the student body, faculty, and administrators while enhancing the goals of the Strategic Plan. Giving students the ability to discover possible unexpected facets of their classes before they register will assist these strategic goals—not only by **increasing support services**, but also by increasing communication with students.

Questions or input should be directed to the Chair of Purdue Student Government's Academic Affairs Committee, Jessica Niksich, at JLNiksic@purdue.edu

Memorial Resolution
for
Harold Lindsay Barrows
Professor Emeritus of Agronomy
1926-2008

Dr. Harold Lindsay Barrows passed away on October 30, 2008, at his home in Chattanooga, Tennessee at the age of 81. He was born on December 14, 1926 in Lookout Mountain, Tennessee. He received his BS degree in Chemistry from the University of Chattanooga in1949. He received his Masters Degree in Analytical Chemistry 1955 and his Ph.D. in Soil Chemistry 1959, with both graduate degrees from the University of Florida. He was a veteran of WWII, and served as a Sergeant in the US Army.

He served 38 years with US Department of Agriculture, Agricultural Research Service (ARS). He first joined the ARS as a Soil Chemist, where his research findings included the observations of nutrient enrichment in runoff. His positions included: Head of the Analytical Chemical Laboratory, Research Leader of Soil Pollution Research Program, Assistant to the Director of the US Soils Laboratory, and Chief of Northeast Branch-Soil and Water Conservation Research Division, all in Beltsville, MD. In addition, he served as Deputy Assistant Administrator of ARS and Chief of Soil, Water and Air Sciences Program; both in Washington, DC. As a member of the ARS' Administrator's Council, Dr. Barrows served as the US Leader for the US-USSR exchange for agricultural research and was a chief negotiator in the field of soil science. He served as the soil science coordinator and negotiator for a similar program with the People's Republic of China and initiated cooperation that has continued to this day.

In 1983, Dr. Barrows came to West Lafayette, Indiana and served as the Director of the USDA-ARS-National Soil Erosion Research Laboratory (NSERL) on the campus of Purdue University. He was adjunct Professor of Agronomy and named Professor Emeritus of Agronomy upon his retirement in 1987. At the NSERL, Dr. Barrows worked to define the mission of the Laboratory, recruited new scientists and secured funds for instrumentation. Under his leadership, NSERL became recognized both nationally and internationally as the center for water erosion research and attained growth while assuming leadership in several high profile research areas.

He was a charter member of the Senior Executive Service of the Federal Government. He was elected a Fellow in the American Society of Agronomy, the Soil Science Society of America and the Soil and Water Conservation Society.

Dr. Barrows was preceded in death by his wife, Betty Galloway Barrows. He is survived by son Thomas Barrows and daughter Susan Hamill. Survivors also include his two sisters and four grandchildren.

Dr. Barrows will be remembered by his colleagues at Purdue University and USDA Agricultural Research Service for his leadership in guiding USDA's soil and water conservation program which makes US the world leader in this special discipline.

Prepared by: Chi-hua Huang
Diane Stott
Darrell Norton

Memorial Resolution
for
William Henry Friday, III
Professor Emeritus of Agricultural and Biological Engineering
April 8, 1926- Aug. 12, 2008

William Henry "Bill" Friday III, 82, an ABE faculty member who retired from Purdue in 1991, died at the St. Mary Health Care Center in Lafayette, Indiana. Born April 8, 1926, in Brooklyn, N.Y., Bill served in Europe with the US Army's 101st and 82nd Airborne divisions from 1944 to 1946. He received an Associate degree in Agriculture (1948) from the State University of New York (at Cobleskill), and a BS (1953) and MS (1959) in Agricultural Engineering from Michigan State University. He joined Purdue University as an Instructor in 1955 and became an Assistant Professor in 1963.

Professor Friday was a member of the American Society of Agricultural and Biological Engineering (ASABE) since 1954 and was an active participant and contributor to a number of ASABE committees and offices, including development of three Engineering Standards. He served for over 30 years as Purdue's representative to the Midwest Plan Service (MWPS), a regional consortium of land grant universities in the Midwest which produces and nationally distributes materials related to rural structures and environment.

Bill Friday's major program emphasis at Purdue was in the areas of structural design of farm buildings, livestock housing, environment and production systems, and domestic housing. In addition to conducting a teaching and research program, his primary extension responsibilities involved a large number of farm visits, the development of extension publications and other educational aids, and their delivery to extension clientele through the mass media, group meetings, tours, field days, shows, and a large number of individual office and phone consultations.

Throughout his career, Bill applied his structural engineering skills to solve rural building problems. His structural research in wood building design spanned the modern era of farm structures. With Purdue Professor Alvin Dale (deceased), he helped to pioneer the development of large clear-span buildings and laminated post and beam construction which led to modern post-framed agricultural buildings. He worked to make engineering information more accessible to Indiana and other Midwestern residents by developing or co-developing a total of 79 building plans, six handbooks and 17 numbered extension publications. He also authored a number of ASABE technical papers, exhibits, and numerous technical design tables for agricultural construction. Bill was chairman and coordinator of the annual Purdue Farm Builders conference from 1970 through 1987, bringing the latest in design of wood and metal buildings, environmental control, and business management to Indiana's rural builders.

Professor Friday was a firm believer in interdisciplinary work at the University and closely collaborated with Animal Science, Veterinarians, and Agricultural Economists in helping to advise livestock producers. In addition, he conducted an extensive field monitoring study of the design and feasibility of solar heat in agricultural buildings.

Professor Friday taught five different courses while at Purdue as well as serving as academic advisor each year to a number of ASM undergraduates. He also served for over 20 years on the ASM curriculum committee.

Bill maintained an interest in international program activities, serving as a short-term advisor to Purdue/Portugal University Institutes Development Projects in 1983 and 1984, helping to develop an extension, teaching and research program to improve farm buildings in Portugal. He also served as faculty advisor for visiting Professors from Portugal and China.

Professor Friday was honored many times for his professional accomplishments. He received the 1985 National Farm Builder Hall of Fame award, the 1989 USDA Superior Service Award and 19

Blue Ribbon Educational Aids awards from ASAE. In 1991, he was awarded a distinguished Alumni Award by the State University of New York at Cobleskill and received the prestigious ASABE Giese Structures and Environment Award for demonstrating outstanding and meritorious achievement in agricultural structures and environment. He was also awarded the Bernon G. Perkins Award by the National Frame Builders in 1992 for his work in research and development of building designs. After retirement, Bill continued to use his engineering skills to assist FEMA in assessing massive flood damage to farms and homes along the Mississippi river.

Bill was very active in his local community. He served as Scout Master for Boy Scouts of America, bowled for many years with the Purdue Staff League and served as Director for the Purdue University Squash organization from 1981 until 1991. He was an avid sportsman who enjoyed football, basketball, and especially baseball. Bill served for many years as engineering advisor to the local Little League and Babe Ruth Baseball and helped to build local youth baseball fields. With his scout troop, Bill hiked a section of the Appalachian Trail, and after his retirement, managed to walk at least a portion of the Appalachian Trail in every state along its length. Bill was a charter member of the Blessed Sacrament Church, serving as usher for 46 years and as Chair or the Parish Council from 1979 to 1983.

Bill Friday is survived by his wife, Fredrika, and by three children: Leora in Minnesota, Joseph in S. Carolina and Daniel in Indiana. He was preceded in death by his oldest son, William Henry Friday, IV.

Don Jones
Bruce McKenzie

Memorial Resolution
for
Wyman E. Nyquist
Professor Emeritus of Agronomy
June 13, 1928 - October 29, 2008

Wyman E. Nyquist, Professor Emeritus of Agronomy, died October 29, 2008, at Westminster Village, West Lafayette, IN. Wyman was born on June 13, 1928 in Scobey, MT. He grew up on a dry-land wheat farm near Scobey. He attended a one-room country school through the seventh grade and graduated from Scobey High School as valedictorian in 1946. Four years later, Wyman graduated in agronomy from Montana State University and as valedictorian of his class of 700. He entered graduate school at the University of California-Davis where he completed a doctoral program in 1953 at the age of 25, with a PhD in genetics under the direction of C. W. Schaller and R. W. Allard. While he was a graduate student at UC-Davis, Wyman met his future wife, Ruth, the daughter of C. A. Suneson, a cereal breeder in the Department of Agronomy at UC-Davis. They were married in June 1952.

Wyman started his professional career at the University of California in the Agronomy Department where he was employed soon after graduation. His first professional assignment was the development of a new forage-grass breeding program at UC-Davis, focusing primarily on perennial ryegrass for irrigated pastures. He transferred the dominant gene for fluorescent seedling roots, normally present in annual ryegrass and widely used by the trade to distinguish between annual and perennial ryegrass seed, into perennial ryegrass, and showed that it exhibited no other characteristics of annual ryegrass. Dr. Nyquist also studied flowering time as it related to the possible development of a non-flowering perennial ryegrass cultivar. His breeding methodology studies focused particularly on the lack of random mating in the polycross nursery as influenced by the extent of pollen dispersion. While at UC-Davis, his teaching responsibilities included a forage production course and an advanced course on the design of field experiments. He served for two years in the United States Air Force as a procurement officer in Japan from 1954 to 1956.

After 10 years of service at UC-Davis, Wyman joined Purdue University in 1963. He was promoted to full professor in 1968. At Purdue, Professor Nyquist held the position of Agricultural Experiment Station statistician serving initially the departments of Agronomy, Botany and Plant Pathology, Horticulture, and Entomology. As time moved on, he also served most other departments in the College of Agriculture. During his 35-year career at Purdue University he distinguished himself as a dedicated teacher, a great scholar, and wonderful mentor. Professor Nyquist taught four graduate-level courses at Purdue University. He taught a two-semester sequence in statistical methods for graduate students. He also taught a one-semester, graduate-level course, in quantitative genetics every year for both plant and animal students, and another one-semester graduate-level course in statistical genetics every two years. For all of these courses he wrote many handouts totaling over 3000 pages which extended the subject matter beyond that available in the textbooks and the literature.

Professor Nyquist's own research focused on expressing the genetic variation among- and within-polycross progenies in terms of covariances of relatives and nonrandom-mating parameters. In addition, he incorporated sex-linked and maternal effects into the Eberhart-Gardner general genetics model for the population diallele cross and utilized the nearest neighboring plots as a covariate to increase the precision of the analysis of designed experiments. He authored or coauthored over 55 research papers on a wide array of topics. He published a comprehensive, lengthy review article on heritability in plant populations for which over 400 requests for reprints throughout the world have been received. Through his leadership in teaching, he greatly unified and strengthened the whole training program in quantitative genetics and breeding at Purdue in both the plant and animal areas.

Wyman enjoyed taking sabbatical study leaves. His first in 1969-70, was a Special Research Fellowship from the National Institutes of Health. He spent a 13-month sabbatical leave in the Department of Statistics, North Carolina State University, with C. Clark Cockerham in statistical

genetics. Seven years later he spent a 10-month sabbatical leave in the Department of Genetics, University of Edinburgh in Scotland with W. G. Hill in statistical genetics. In 1983 he spent a three-month sabbatical leave in the Department of Statistics, Iowa State University, with Oscar Kempthorne, and continued his leave for another three months at North Carolina State University again with C. Clark Cockerham. His final sabbatical leave for seven months in 1990 was spent again with C. Clark Cockerham at North Carolina State University. Wyman E. Nyquist retired as professor emeritus of agronomy at Purdue University on June 30, 1998, after a 45-year career as an educator in plant breeding, quantitative genetics, and statistics.

Wyman was a professor in the true sense of the word. He had scholarly zest and a penchant for thinking through and finding solutions to the most challenging and complicated problems. He had the zeal to learn and to teach. Students were never a number to him. He knew his students well and befriended all of them. He was always generous with his time and knowledge. His humility and respect for others were genuine, treating everyone fairly and with respect regardless of age, race, gender, creed, or origin. Professor Nyquist took mentoring of students and young faculty seriously. During his 35-year career at Purdue, he served on about 225 graduate thesis committees, most likely among the highest for anyone at Purdue. Few graduate students in our college completed their program without taking his classes. Even fewer graduated without his input into their research design and analysis. For over three decades, he had a dominant effect upon the design and analysis of data in many departments in the Agricultural Experiment Station (currently designated Agriculture Research Programs) and upon the training of many graduate students. He added much value to the scholarly contributions of many scientists. He imparted virtues of scientific method and ideals of completeness and carefulness. He gave generously to students and faculty without seeking credit.

For his many services, he was elected a member of Alpha Zeta, Gamma Sigma Delta, Phi Eta Sigma, Phi Kappa Phi, and Sigma Xi. He served as Associate Editor of Crop Science. He was elected Fellow of ASA and Fellow of CSSA. He was revered for his knowledge of quantitative genetics and highly regarded as a person for his generosity of spirit, and for his kindness and helpfulness in rendering immeasurable professional services. His thorough reviews of hundreds of mathematically and statistically oriented manuscripts for many journals and authors of books, particularly those working on textbooks for college classes were his trademark.

Wyman is survived by his wife Ruth, son Craig, and their two grandsons, J. Evan Nyquist and Benjamin I. Nyquist, all of West Lafayette. A brother H. LeRoy Nyquist of California and a sister, Marlyce A. Erickson of Ohio also survive.

Prepared by Gebisa Ejeta; December 10, 2008