



**UNIVERSITY OF
NEVADA
COLLEGE OF
ENGINEERING**

**JANUARY 26, 2007
ANNUAL REPORT TO
FACULTY**



KEY ISSUES

- COLLEGE NEWS
- ENROLLMENT
- K-14 CHALLENGE
- RESEARCH ACHIEVEMENTS
- DEVELOPMENT ACTIVITIES

COLLEGE NEWS

- IGT CHALLENGE MATCH FOR GAME ENGINEERING PROGRAM
- ELECTRICAL AND BIOMEDICAL ENGINEERING DEPARTMENT
 - NEW NAME & CHAIR – NELSON PUBLICOVER
- DEPARTMENT CHAIR SEARCHES
 - CHEM/MET
 - MECHANICAL ENGINEERING
- DEVELOPING CURRICULAR FOCUS ON ALTERNATIVE ENERGY
- COLLEGE WILL BE HOSTING THREE CONFERENCES/WORKSHOPS
 - ASEE PACIFIC SOUTHWEST CONF – **BUILDING THE FOUNDATION FOR THE GLOBAL TECHNOLOGICAL FUTURE** – April 2007
 - NSF WORKSHOP for ECCS Division in 2007
 - DEPARTMENT OF EDUCATION – TEACHER – TO – TEACHER WORKSHOP
- *Second Development Officer – Christina Sarman*
- *New PR Representative for College – Sue Putnam*
- *New Coordinator, Recruitment, Retention & Advising – Meg Fitzgerald*
- *New Advisor – Jennifer O'Neil*

COLLEGE NEWS

■ NEW FACULTY

- Dr. Qizhen Li – Chem/Met
- Dr. Vaidyanathan Subramanian – Chem/Met
- Dr. Bobby Bryant – CSE
- Dr. Eelke Folmer – CSE
- Dr. Murat Yuksel – CSE
- Dr. Edward Kolodziej – CEE
- Dr. Jonghwan Suhr - ME

ENGINEERING FACULTY DEMOGRAPHICS

<i>Faculty Type</i>	<i>Current</i>		<i>Female**</i>	
	Total	URG* (%age)	Total	URG* (%age)
Total	75	21 (28.0%)	9	3 (33.3%)
Full Professor	24	7 (29.2%)	1	1 (100%)
Assoc. Prof.	17	5 (29.4%)	2	0 (0%)
Asst. Prof.	13	5 (38.5%)	3	2 (66.7%)
Non-Tenure Track	21	4 (19.0%)	3	0 (0%)

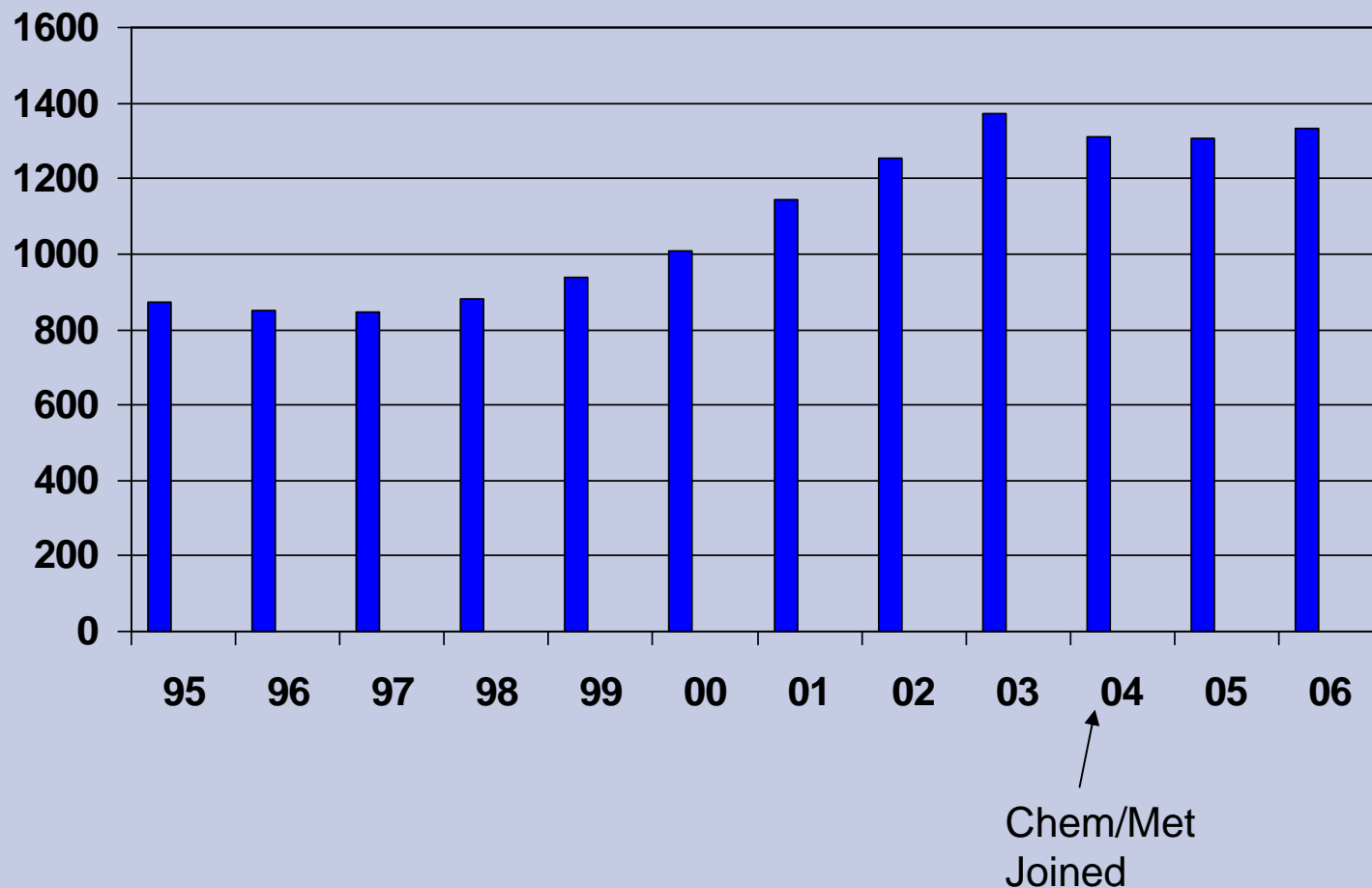
*URG is Under-represented Groups

**Of faculty hired since 2000, 19.4% are female, compared to 6.8% of those hired before 2000

FACULTY NEWS

- Candice Bauer – New Faculty Fellow – FIE
- Indira Chatterjee - Silver Compass Award
- Maurice Fuerstenau – South Dakota Hall of Fame
- Olivia Graeve – Hispanic Educator of the Year
- F. Gordaninejad – UNR Research of the Year
- Ahmad Itani – Runner up – Tibbitts Teaching Award
- Yanyao Jiang – Humboldt Foundation Bessel Research Award
- Kwang Kim – Lemelson Award for Innovation and Invention
- John Kleppe – Olympus Lifetime of Education Innovation Award
- M. “Saiid” Saiidi – Fellow of ASCE
- David Sanders – Professional Progress in Engineering Award from Iowa State University

CoEN Fall Undergraduate Enrollments

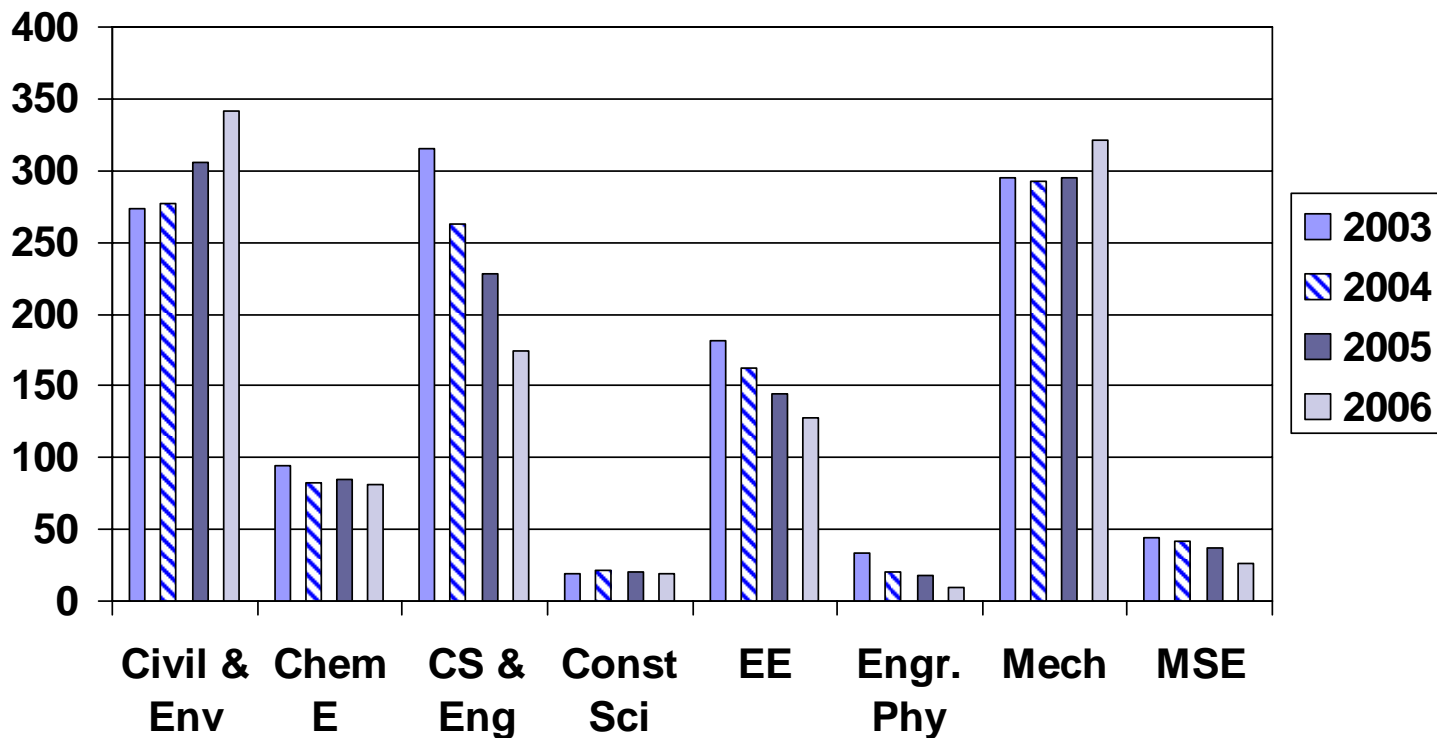


UNDERGRADUATE STUDENT ENROLLMENT/DEMOGRAPHICS 2005

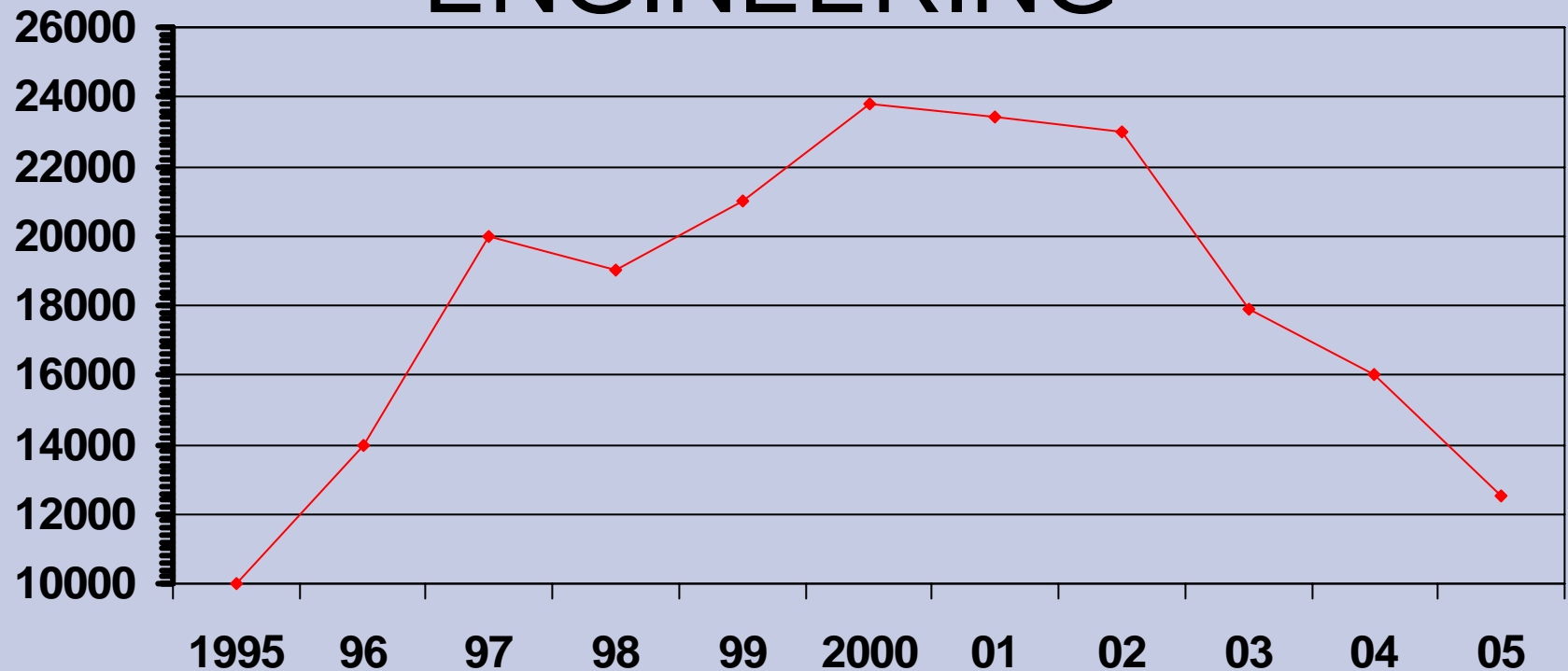
- NEVADA RESIDENTS - 91%
- OUT-OF-STATE RESIDENTS – 9%
- WASHOE COUNTY - 61.1%
- CLARK COUNTY – 11.6%
- OTHER – 27.3%
- NEW RECRUITING STRATEGY
 - FOCUS ON I-80 CORRIDOR
 - FOCUS ON NATIONAL MERIT SCHOLARS

Enrollment Data

Undergraduate Headcount



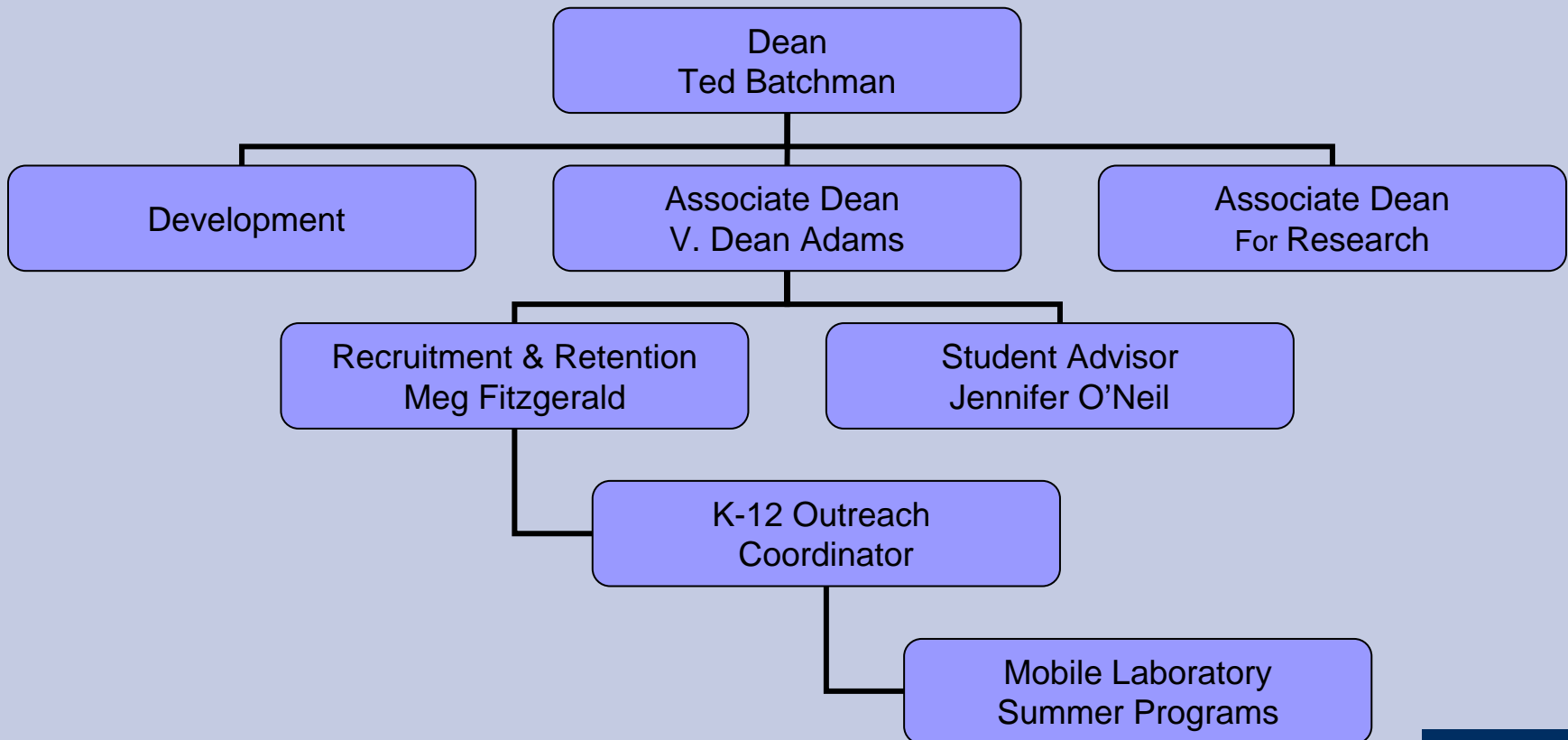
NATIONAL ENROLLMENT DATA COMPUTER SCIENCE & ENGINEERING



K-14 CHALLENGE

- RECRUITMENT OF STUDENTS
 - FOCUS ON I-80 CORRIDOR
 - FOCUS ON TOP STUDENTS – NATIONAL MERIT SCHOLARS
 - DO NOT ELIMINATE LOWER GPA STUDENTS

College of Engineering Organization



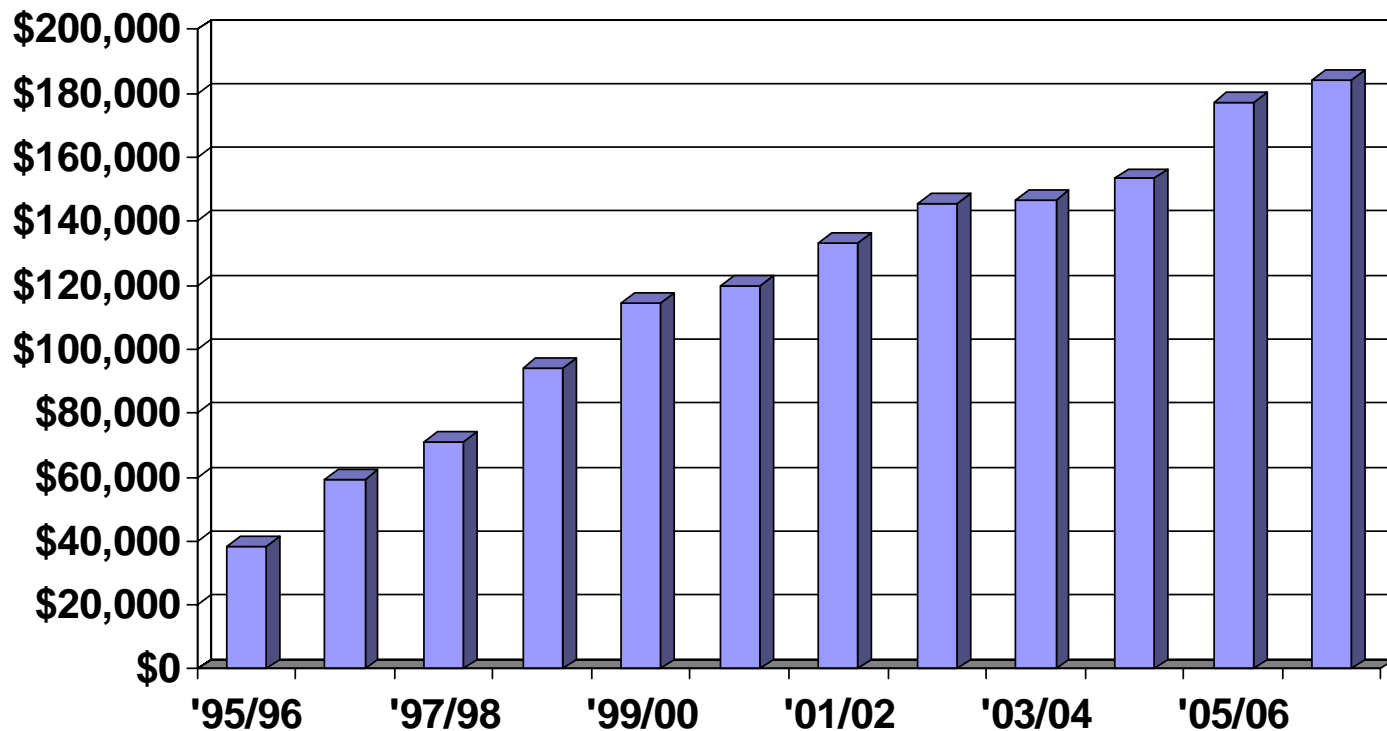
RETENTION OF STUDENTS

- FALL 2004 Cohort Returning Fall 2005
- Engineering
 - 70.0% Retained in Engineering
 - 7.9% Retained in University
- University
 - 62.2% Retained in First Choice College
 - 74.4% Retained in University

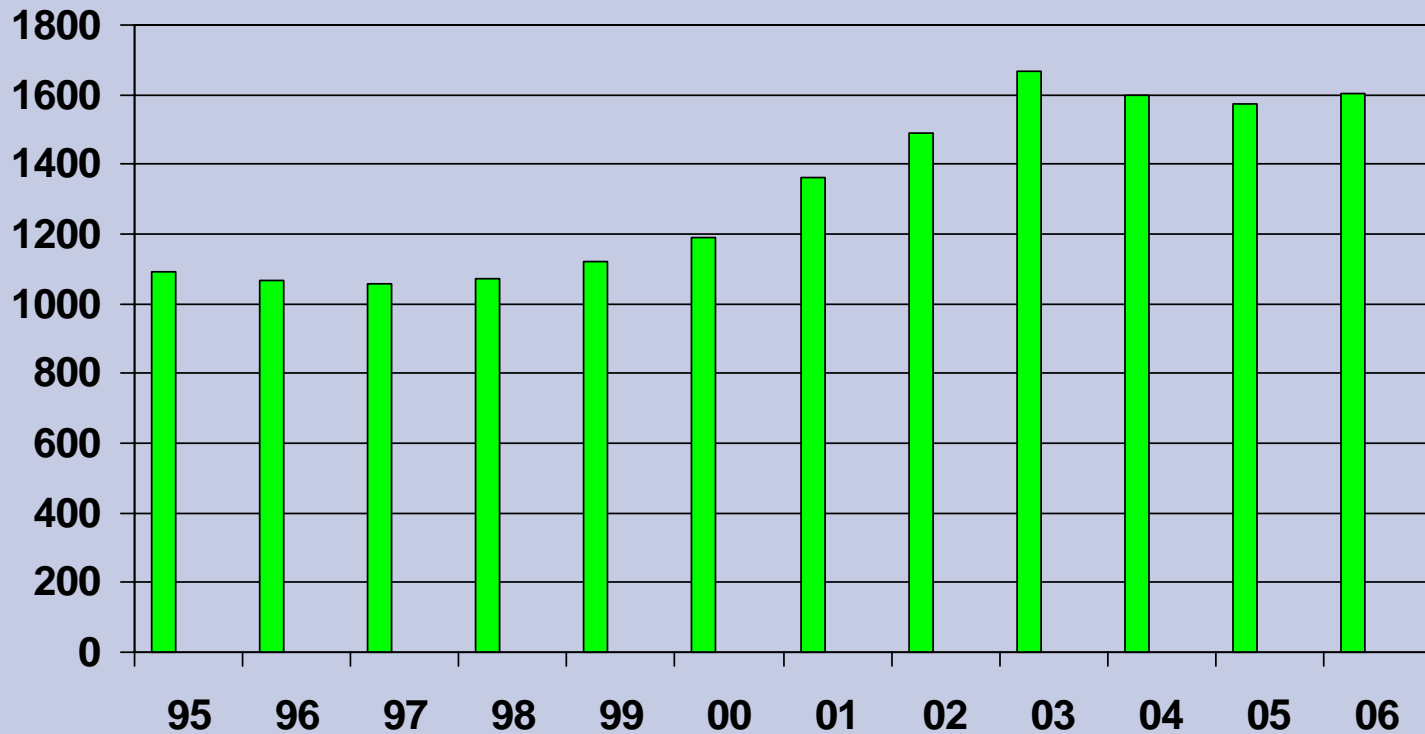
COMMUNITY COLLEGE DATA

- 78% OF UNR STUDENTS APPLY CREDIT FROM MORE THAN ONE INSTITUTION TOWARD THEIR DEGREE
- 36% OF UNR GRADUATES TAKE SOME OF THEIR CREDITS AT TMCC OR WNCC
- 31% OF UNR TRANSFER GRADUATES HAVE CREDITS FROM INSTITUTIONS OUTSIDE OF NEVADA

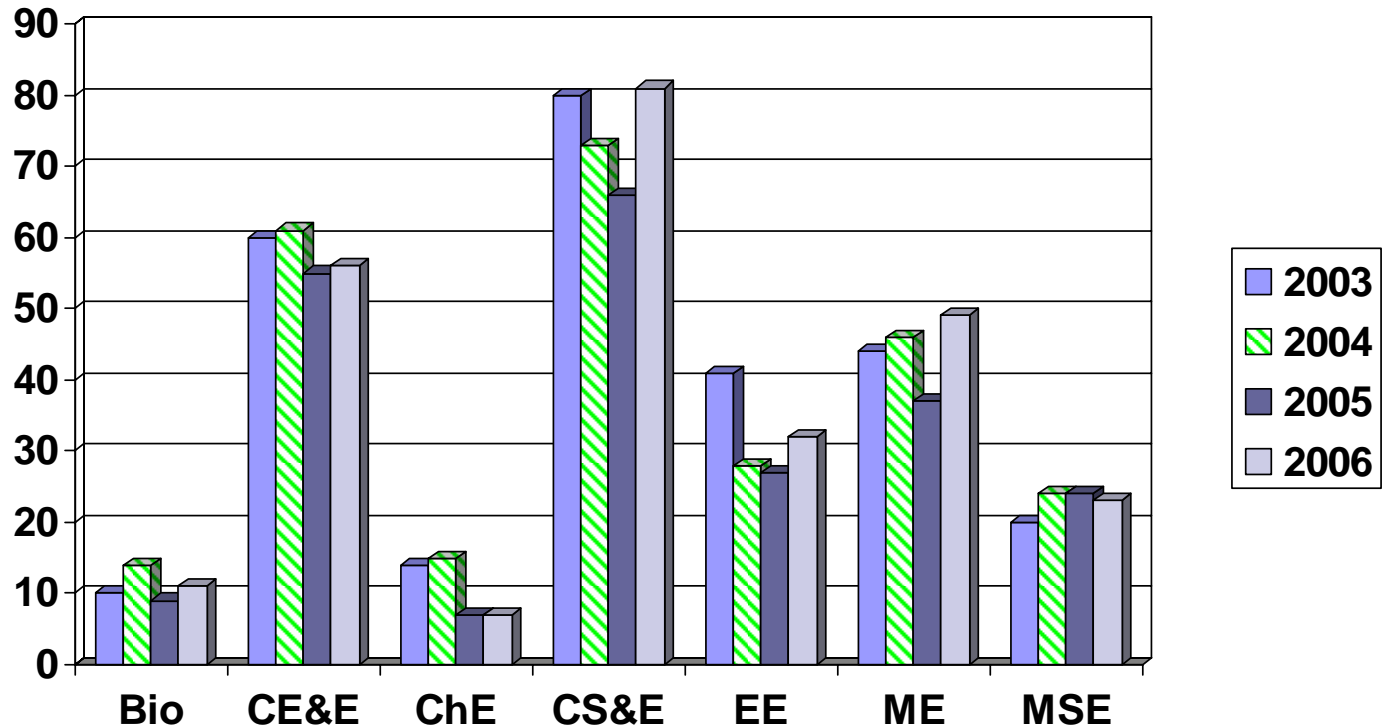
TOTAL SCHOLARSHIP AWARDS



Total CoEN Fall Enrollment (Undergraduate and Graduate)



Graduate Enrollment Fall Headcount



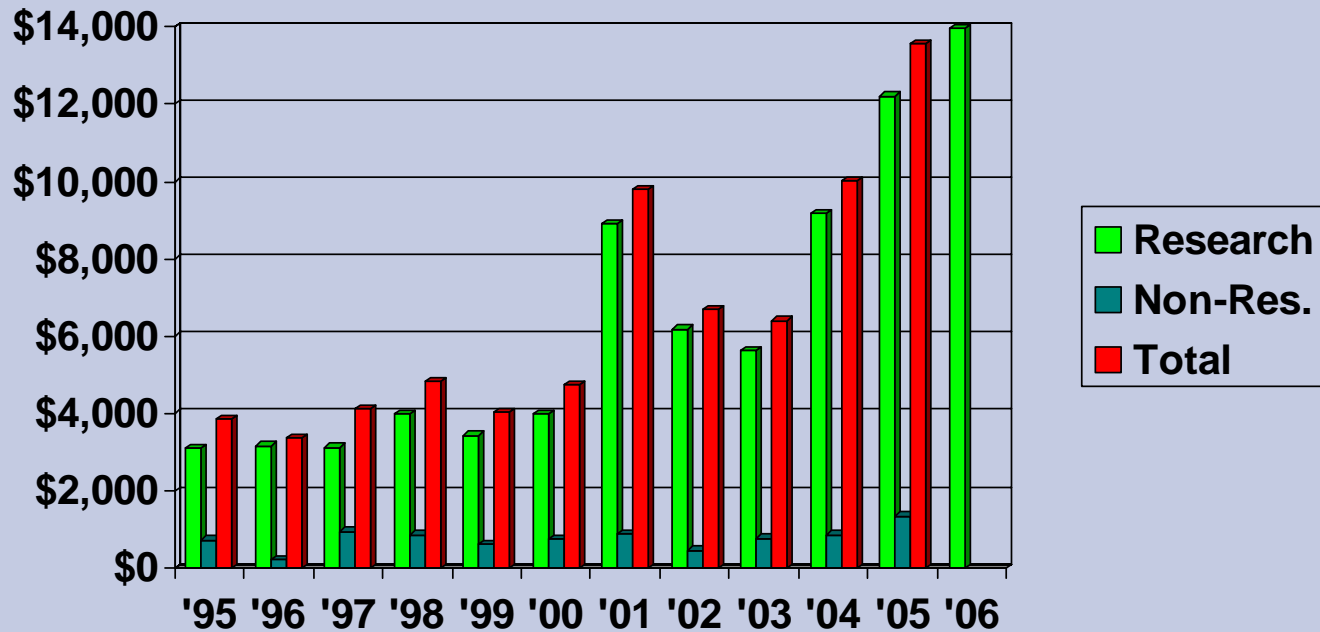
RESEARCH

- University Research Awards
 - \$77,016,850 – Does not include training grants, instructional grants, public service
 - U.S. Senate moves to restrict earmark funding to universities
 - University Presidents were ask to supply data on earmark funding

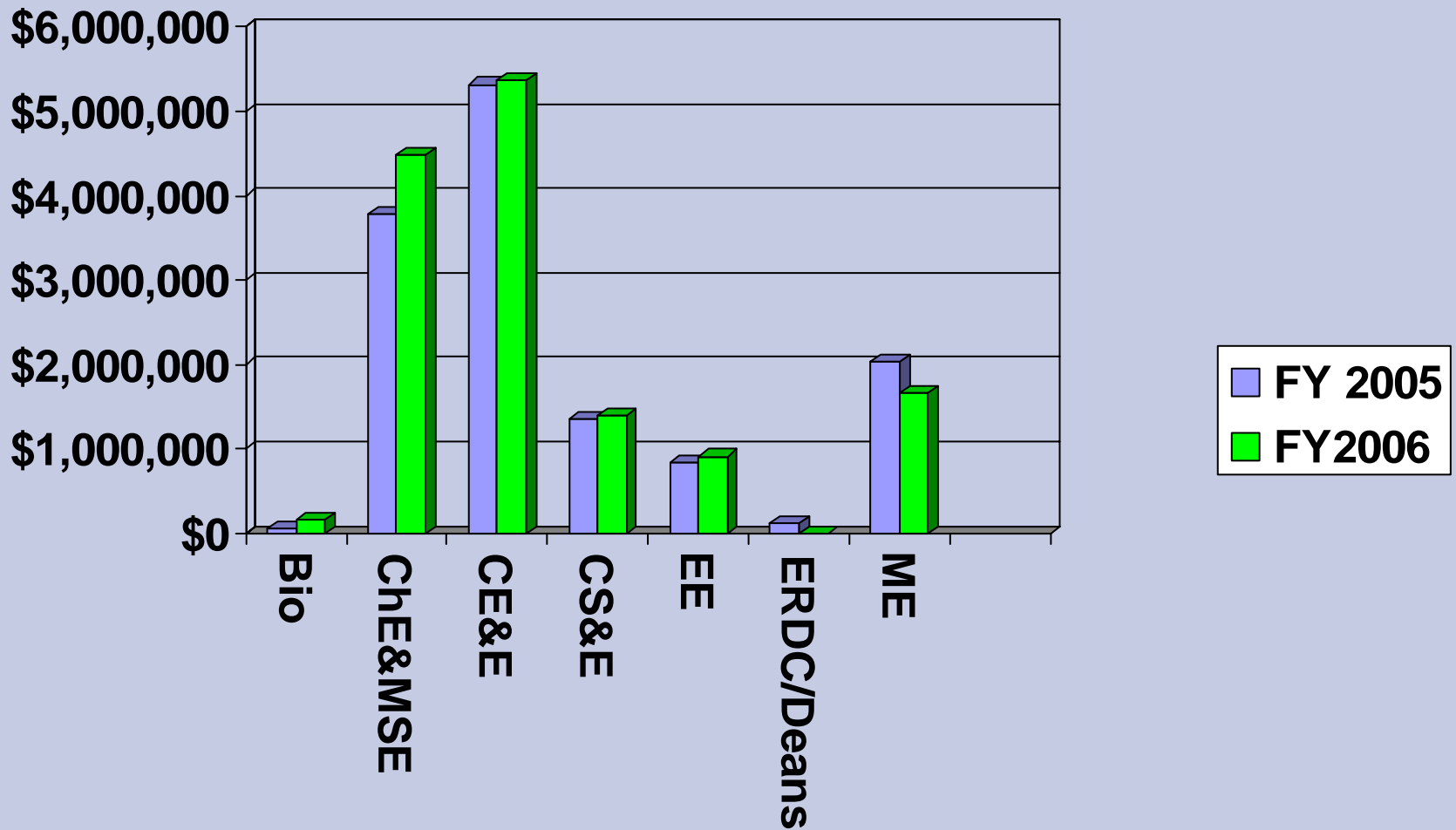
Research Awards History

Total for College

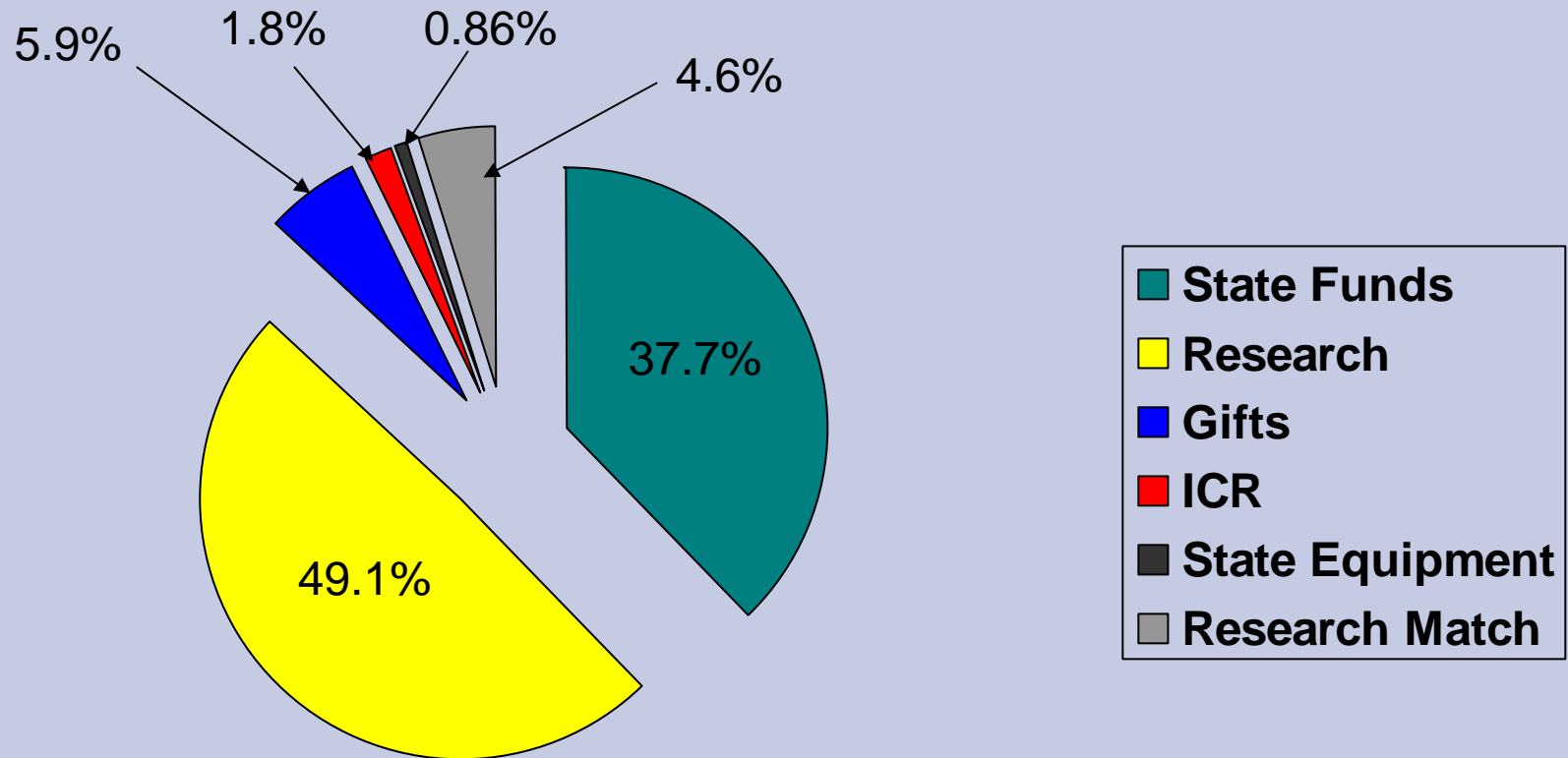
Thousands



Research Awards By Department



CoEN EXPENDITURES 2005

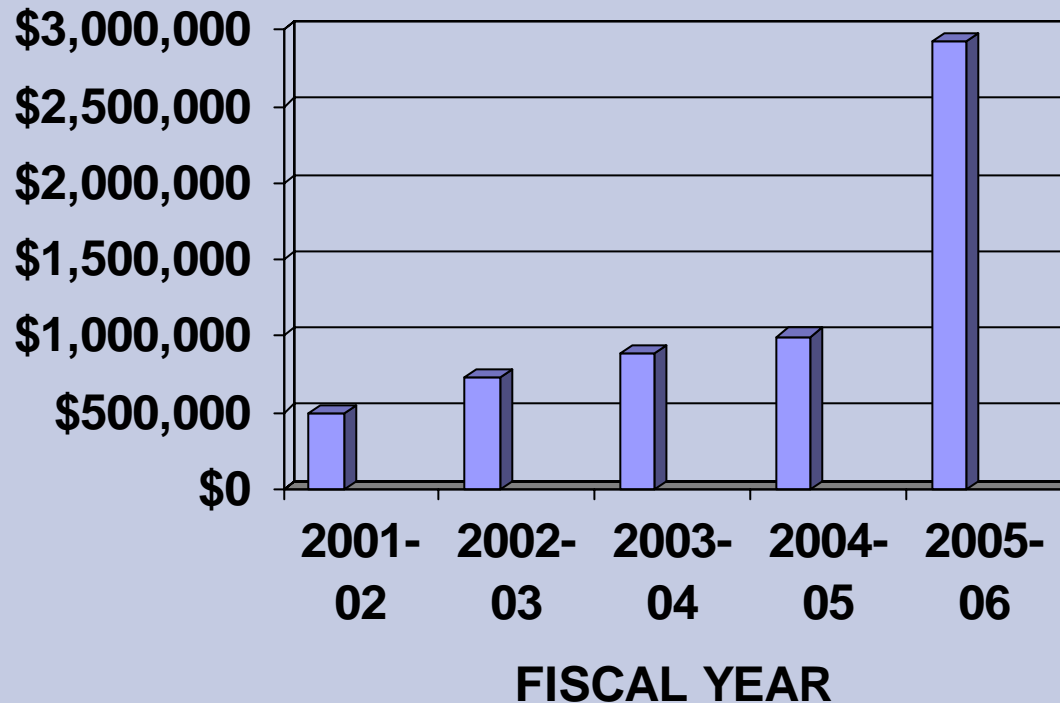


Total Expenditures \$20,541,362

COEN 2006 STRATEGIC PLAN

- DEVELOPMENT GOALS - **\$95 MILLION**
 - 6 ENDOWED CHAIRS - \$18 MILLION
 - SCHOLARSHIP ENDOWMENTS-\$8 MILLION
 - LABORATORY EQUIPMENT ENDOWMENTS - \$4 MILLION
 - RENOVATION OF PALMER AND SCRUGHAM - \$16 MILLION
 - HIGH BAY EXPANSION - \$12 - \$18 MILLION
 - PHASE II OF HREL - \$35 TO \$40 MILLION

FIVE YEAR GIFT REPORT



DEVELOPMENT HIGHLIGHTS

- 1ST ENDOWED PROFESSORSHIP
 - \$500,000 ENDOWMENT
 - \$250,000 RECEIVED IN DECEMBER
- 1ST ENDOWED NATIONAL MERIT SCHOLARSHIP
- TOTAL ENDOWMENTS = \$4,196,828
- INCOME FOR SCHOLARSHIPS AND EQUIPMENT = \$201,190

2007 PLANS

- UNIVERSITY ACCREDITATION VISIT
- MINOR IN SUSTAINABLE ENGINEERING/ALTERNATIVE ENERGY
- NEW CHAIRS
- RENOVATION?