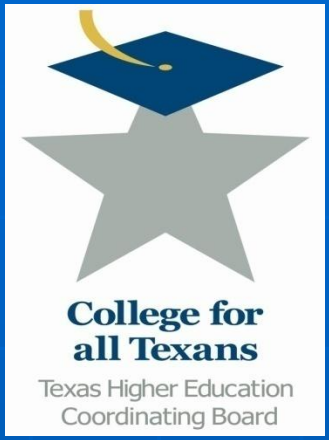


Criteria for Establishing National Research Universities

Presentation for the
House Appropriations Subcommittee on Education

February 24, 2009

Research Universities:
Texas vs. National Peers

AAU Members	Public	Private	Total
California	6	3	9
New York	2	5	7
Pennsylvania	2	2	4
Texas	2	1	3
Illinois	1	2	3
Massachusetts	0	3	3
Indiana	2	0	2
Iowa	2	0	2
Michigan	2	0	2
Total in United States	**34**	**26**	**60**

Federal Research Expenditures

(in millions)

	FY2003	FY2004	FY2005	FY2006	Change
University of Arizona	$259,074	$283,956	$292,811	$301,619	16.4%
University of Missouri	$84,211	$90,304	$96,038	$101,732	20.8%
University of Kansas	$92,888	$101,920	$110,768	$115,522	24.4%
University of Nebraska	$96,627	$115,833	$129,216	$139,113	44.0%
University of Houston	$32,556	$34,468	$37,262	$38,559	18.4%
Texas Tech University	$31,776	$23,181	$22,071	$22,278	-29.9%
UT San Antonio	$9,982	$11,644	$15,924	$20,277	103.1%
UT Dallas	$14,530	$15,733	$19,933	$19,954	37.3%
UT El Paso	$18,116	$16,900	$15,378	$19,331	6.7%
UT Arlington	$7,884	$10,498	$17,654	$19,006	141.1%
University of North Texas	$6,320	$5,499	$7,003	$8,343	32.0%

Source: WebCASPAR

Number of Doctoral Degrees Awarded

FY 03-FY 06

	FY2003	FY2004	FY2005	FY2006	Change
University of Arizona (79)	378	398	386	395	4%
University of Missouri (38)	274	251	274	277	1%
University of Kansas (70)	232	239	223	271	17%
University of Nebraska (67)	254	236	234	245	-4%
University of Houston (52)	203	196	211	236	16%
Texas Tech University (58)	163	174	175	199	22%
University of North Texas (59)	145	153	146	161	11%
UT Dallas (23)	61	63	102	126	107%
UT Arlington (30)	68	58	86	88	29%
UT El Paso (16)	29	30	30	33	14%
UT San Antonio (20)	7	4	12	21	200%

( ) = Total Current Doctoral Degree Programs

Source: Center for Measuring University Performance

National Academy Members
FY 2006

Institution	#
University of Arizona	31
University of Kansas	7
University of Missouri	5
University of Nebraska	3
University of Houston	9
Texas Tech University	1

Source: Center for Measuring University Performance

National Faculty Awards
FY 2003-06

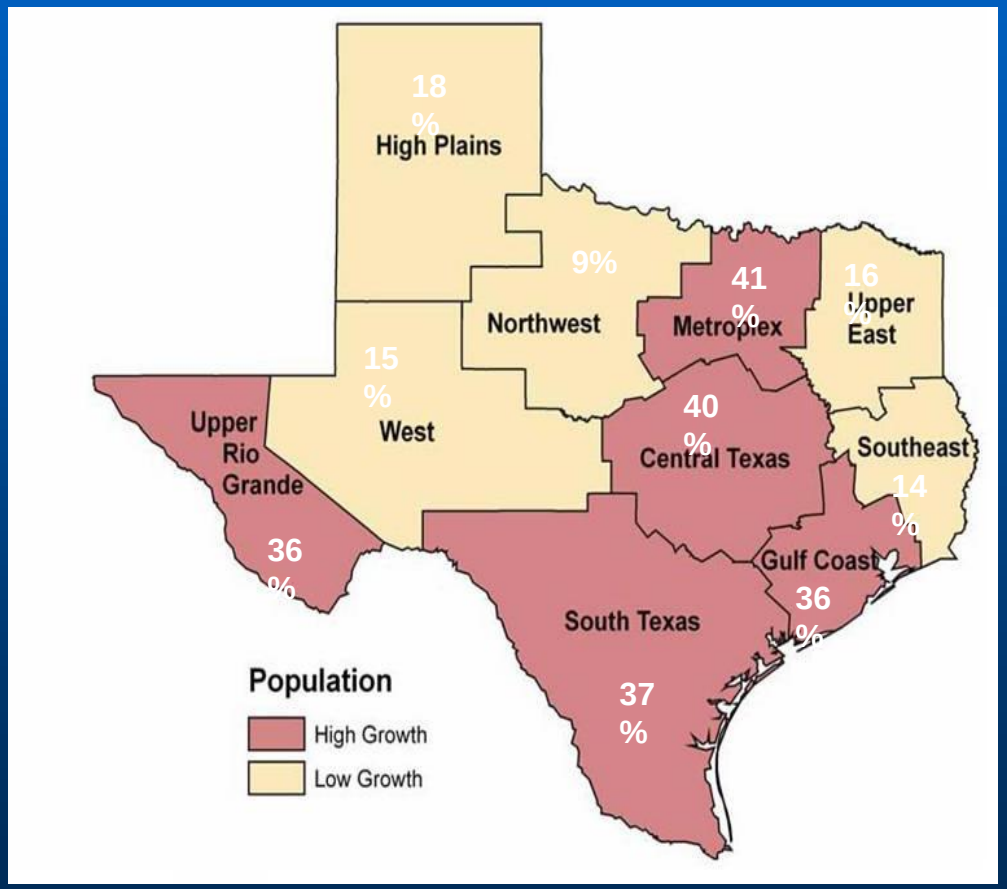
Institution	FY03	FY04	FY05	FY06
University of Arizona	19	23	16	18
University of Kansas	7	10	5	9
University of Missouri	14	8	9	7
University of Nebraska	2	5	4	4
University of Houston	5	2	1	5
Texas Tech University	3	4	2	2

Source: Center for Measuring University Performance

Population growth is an important consideration for deploying a national research institution

- The Metroplex will experience the greatest increase in traditional college age population (18-24): 78,000
- Gulf Coast and South Texas will experience increases in this population of 46,000 and 33,000, respectively

Higher Education Regions Based on Projected Total Population Growth by 2015



Local and regional economic infrastructure also play a critical role in establishing national research institutions

- ✓ Business and industry clusters can facilitate the evolution and long-term success of a national research institution
- ✓ The Texas Workforce Commission estimates jobs by industry for each region by the year 2014.

Workforce Development Region	# Top 25 Future Industry Performers
Gulf Coast	7
Dallas	6
Alamo	5
North Central	3

Source: Texas Workforce Commission, *Industry Projections 2004-2014*