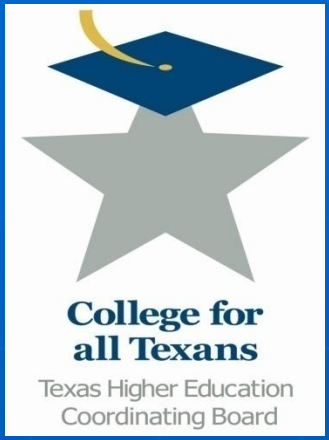


Criteria for Establishing National Research Universities

Presentation for the
Senate Higher Education Committee

March 25, 2009

Federal Research Expenditures

(in millions)

*Amounts do not include medical science research

	FY2004	FY2005	FY2006	FY2007	Change
University of Arizona*	$215,506	$224,464	$225,759	$207,079	-3.91%
University of Missouri*	$65,455	$71,576	$78,387	$77,716	18.73%
University of Kansas*	$80,943	$90,072	$93,009	$95,319	17.76%
University of Nebraska*	$99,696	$109,662	$119,119	$116,399	16.75%
University of Houston	$34,468	$37,262	$38,559	$40,116	16.39%
Texas Tech University	$23,181	$22,071	$22,278	$22,874	-1.32%
UT San Antonio	$11,644	$15,924	$20,277	$20,545	76.44%
UT Dallas	$15,733	$19,933	$19,954	$17,783	13.03%
UT El Paso	$16,900	$15,378	$19,331	$21,018	24.37%
UT Arlington	$10,498	$17,654	$19,006	$19,774	88.36%
University of North Texas	$5,499	$7,003	$8,343	$7,192	30.79%

Source: National Science Foundation

Number of Doctoral Degrees Awarded

FY 04-FY 07

	FY2004	FY2005	FY2006	FY2007	Change
University of Arizona (79)	398	386	395	460	16%
University of Missouri (38)	251	274	277	293	17%
University of Kansas (70)	239	223	271	260	9%
University of Nebraska (67)	236	234	245	274	16%
University of Houston (53)	196	211	236	239	22%
Texas Tech University (58)	174	175	199	192	10%
University of North Texas (59)	153	146	161	196	28%
UT Dallas (23)	63	102	126	133	111%
UT Arlington (29)	58	86	88	124	114%
UT El Paso (18)	30	30	33	39	30%
UT San Antonio (21)	4	12	21	46	1,050%

( ) = Total Current Doctoral Degree Programs for Texas universities
FY 2006 for peer universities

Source: Center for Measuring University Performance

National Academy Members
FY 2007

Institution	#
University of Arizona	30
University of Kansas	6
University of Missouri	6
University of Nebraska	2
University of Houston	8
Texas Tech University	1
UT Dallas	2

Source: Center for Measuring University Performance

National Faculty Awards

FY 2004-07

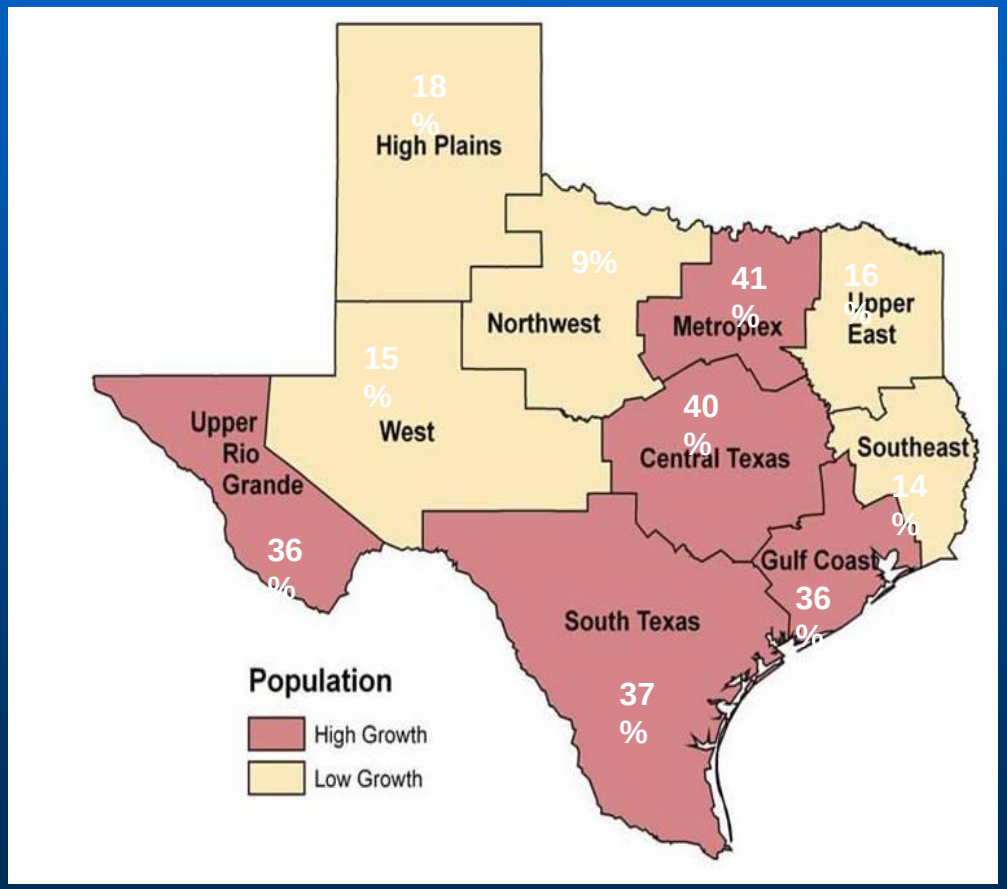
Institution	FY04	FY05	FY06	FY07
University of Arizona	23	16	18	22
University of Kansas	10	5	9	7
University of Missouri	8	9	7	8
University of Nebraska	5	4	4	7
University of Houston	2	1	5	3
Texas Tech University	4	2	2	4
University of North Texas	0	0	0	3
UT Arlington	2	2	2	2
UT Dallas	3	4	1	1
UT El Paso	4	0	0	1
UT San Antonio	2	1	2	4

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*