Massey, James L

Subject: 5-Factor Space Projection Model

Location: Attachments:

Start time: Tue 11/16/2010 8:30 AM All day event

End time: Tue 11/16/2010 9:30 AM

Reminder: 15 minutes Show time as: Busy

LOCATION: Williams Bldg

Attendees: *Lallah,

*Deborah,
*Jane and

*James

PURPOSE: discuss the 5 factor model

*THECB Space Projection Models

http://www.thecb.state.tx.us/index.cfm?objectid=50871843-A0AE-4FFF-252C6ADAE5C6BF86

*Space Projection Model Outline

http://www.thecb.state.tx.us/reports/PDF/1215.PDF?CFID=10145312&CFTOKEN=50842223

Reference;

PURPOSE OF THE MODEL

The Space Planning Model provides a fair and equitable assessment of space needs at Texas' public universities, technical colleges, the Lamar State Colleges, and public health-related institutions. It is used to assess the need for new construction and to determine whether an institution's new construction will qualify for maintenance and operation funding provided by general revenue. Understanding the concepts of the Space Model will assist the institution in its planning efforts.

THE MODEL

This active model responds to an institution's evolving characteristics that drive its need for space. The model is sensitive to an institution's unique characteristics among programs, levels of instruction, total current fund and research expenditures, and clinical space. It responds to both economies and diseconomies of scale resulting from:

- (1) large numbers of classrooms and class labs of varying size that can more efficiently be matched to large numbers of classes;
- (2) small enrollments which demand certain minimum space requirements; and
- (3) institutional complexities resulting from research or public service activities.

USES OF THE MODEL

• BOARD REVIEW

The Texas Higher Education Coordinating Board uses the model as part of its review process in the consideration of proposals for facilities projects that would generate new space.

RESOURCE ALLOCATION

The model is also used for the allocation of the Infrastructure Formula Funds, Higher Education Assistance Fund, and in the evaluation of requests for Tuition Revenue Bonds.

Space Project Model (SPM)

Texas Higher Education Coordinating Board

Finance and Resource Planning

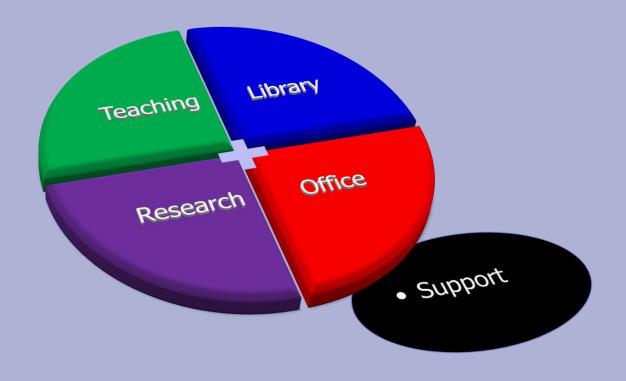
Thomas Keaton

Director, Finance and Resource Planning

Space Projection Model (SPM) Overview

- Uses
 - Project Approvals
 - Infrastructure Funding Allocations
 - Higher Education Assistance Fund (HEAF) Allocation
- Predicts E&G NASF space need
 - Compares to Actual
 - Establishes a Surplus or Deficit
- By Sector
 - General Academic Institutions (Includes Technical Colleges)
 - Health-Related Institutions
 - Texas A&M Agencies
 - (Excludes Community Colleges)

Space Projection Model (SPM) Overview



Space Projection Model (SPM) Model Drivers

Factor	Teaching	Library	Office	Research	Support
General Academic	Student Hours	Student Hours, Programs, Law Volumes, Faculty, and Staff	E&G Expenditures or Faculty	Research Expenditures or Student Hours	Percent of Subtotal
Health-Related	Student Headcount	50,000 NASF			
TAMU Agency Vet Med		25,000 NASF		Research Expenditures	
TAMU Agencies Inside Brazos	Student Hours	Faculty and Staff			
TAMU Agencies Outside Brazos		0 NASF	Personnel		

Space Projection Model (SPM) Teaching Space

Level of Instruction	SCH per FTSE	E&G NASF per FTSE
Undergraduate	15	45.0
Master's and Professional	12	31.5
Doctorate	9	18.0

Program Area	Space Adjustment
1	2
2	1 2/3
3	1 1/3
4	1

Space Projection Model (SPM) Library Space

FTSE (student)	Stack Space	+ 6.25 SF per
FTFE (faculty)	Stack Space	+ 3 SF per
Programs	Stack Space	
Law Volumes	0.25 SF per	
Staff and Other	25% increase	

Space Projection Model (SPM) Research Space

Research Expenditures	9 SF per \$1000			
or				
FTSE (student)	3 SF per			

Space Projection Model (SPM) Office Space

E&G Expenditures	3.5 SF per \$1000
	or
FTFE (faculty)	496 SF per

Space Projection Model (SPM) Support Space

An additional 9 percent

Space Projection Model Instructions

PURPOSE OF THE MODEL

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- (1) large numbers of classrooms and class labs of varying size that can more efficiently be matched to large numbers of classes;
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- (3) institutional complexities resulting from research or public service activities.

USES OF THE MODEL

BOARD REVIEW

The Texas Higher Education Coordinating Board uses the model as part of its review process in the consideration of proposals for facilities projects that would generate new space.

RESOURCE ALLOCATION

The model is also used for the allocation of the Infrastructure Formula Funds, Higher Education Assistance Fund, and in the evaluation of requests for Tuition Revenue Bonds.

PUBLIC UNIVERSITIES, TECHNICAL COLLEGES, AND LAMAR STATE COLLEGES

In October 1992, the Texas Higher Education Coordinating Board approved the *Space Projection Model for Higher Education Institutions in Texas* for public universities, technical colleges, and the Lamar State Colleges. The model predicts the net assignable square feet (NASF) of educational and general (E&G) space an institution needs in five categories: teaching, library, research, office, and support space. In 1997, the Legislature incorporated the model into the funding formulas for general academic institutions. It is also used in the legislative Higher Education Assistance Fund allocation formula.

Because of its importance, the Commissioner of Higher Education appointed an advisory committee to review the model and report any findings and recommendations. The Board approved changes to the model in July 1998. In September 1999, the Commissioner requested the University Formula Advisory Committee to include the model in its review of the infrastructure formula; the Board adopted a change to the Library Factor recommended by the Committee in April 2000. The Board approved the most recent change, to the Teaching Factor, in April 2002. This document describes the model reflecting the Board's actions.

HEALTH-RELATED INSTITUTIONS

In October 1992, the Texas Higher Education Coordinating Board approved the *Health-Related Space Projection Model*. This model predicted the need for educational and general (E&G) space in net assignable square feet (NASF) of health-related institutions in four categories: teaching, research, office, and support space. The model is used by the Board to make decisions related to the approval of proposals providing additional space.

In June 1998, the Senate Finance Committee asked the Coordinating Board to review the model to ensure that it accurately reflected the space needs of health-related institutions. To address those concerns, the Health-Related Space Projection Model Advisory Committee was appointed by the Commissioner of Higher Education to review the model and report its findings and recommendations. The committee included a representative from each of the affected institutions and met between June 1998 and January 1999. In September 1999, the Commissioner requested that the Health-Related Formula Advisory Committee include the model in its review of health-related formulas. The Commissioner adopted many of the committee's recommendations and presented them to the Coordinating Board at its April 2000 meeting. This document describes the model as adopted by the Coordinating Board at that meeting. No further changes have been made in the model since that time.

Academic Five-Factor Model

The five-factor academic space projection model predicts the educational and general (E&G) space required for a public university, technical college, or state college to fulfill its missions of teaching, research, and public service. Auxiliary space, such as dormitories, bookstores, intercollegiate athletics, or other auxiliary enterprises, is not included.

The base unit of the model's factors is room type. Only E&G space receives appropriations for maintenance and operations, and it is the only space predicted by this model. Room types are grouped into the five space categories in the model and are associated with the specific data that drive each particular type of space.

Each factor is based on drivers or elements that are used to compute the predicted space in each category. These data are developed from various institutionally provided information and their certified state reports.

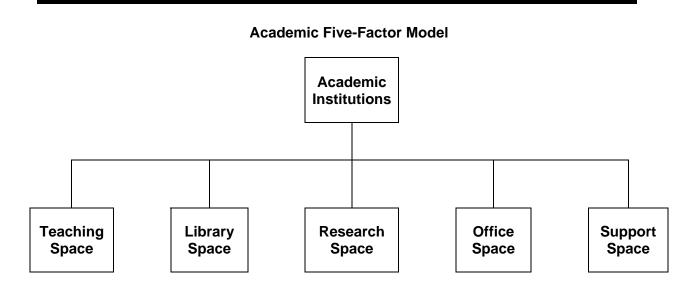
FACTORS DRIVERS/PREDICTORS

Teaching space Library space Research space Office space Support space Level and program areas of an institution's funded semester credit hours Faculty, students, approved programs, and holdings

Research expenditures and students' reported semester credit hours

Faculty, staff, and current fund E&G expenditures

e A percentage of the total prediction for all the other factors



¹ Room types are taken from the National Center for Higher Education Management Systems' (NCHEMS) *Higher Education Facilities Inventory and Classification Manual* and described in the Coordinating Board's *Texas Higher Education Facilities Inventory Procedures Manual*.

Factor 1 - Teaching Space

Teaching space includes rooms used for instruction and are represented in the institution's facilities inventory by room type. The following room types are considered in this factor:

Room Type	<u>Description</u>
100	classrooms
210-235	class labs, special class labs, and self-study labs
500	physical education, demonstration, audiovisual, and animal quarters
600	assembly, exhibition, lounge, meeting rooms, and locker rooms

The predicted teaching space depends on two factors:

- funded semester credit hour production by program area
- funded semester credit hour production by level of course

A full-time-student equivalent (FTSE) is calculated for each program area and course level based on credit hours. FTSE are calculated using the Coordinating Board's standard methodology of contact hours divided by 300 and semester hours divided by 15. A reduced allowance is made for the graduate levels because these students require less special or general use space, classrooms, and class labs.

<u>Level</u>	<u>Credit Hours</u>	FTSE Allowance
Undergraduate	15	100%
Master's and professional (law and optometry)	12	70%
Doctorate-level programs	9	40%

Teaching space is assigned to one of four different programmatic areas based on space requirements. Figure 2 presents these program areas and the CIP codes that are included in each area. Program Area 4 is used as the base for all calculations, and additional NASF are added to this calculation depending upon the program area. Figure 1 presents how the base NASF for Program Area 4 is determined and the additional NASF allowed for each program area.

Figure 1						
Base by Program Area 4						
Room Type	Room Category	Square Feet per FTSE				
Classroom	110	11				
Class Lab	210	8				
Special Class Lab	220	3				
Self Study Lab	230	3				
P.E. etc.	500s	10				
Assembly, etc.	600s	<u>5</u>				
Subtotal		40				
Service Space		<u>5</u>				
Total	Program Area 4	45 (BASE)				
Program Area 1	-	BASE $+ 45 = 90$				
Program Area 2		BASE + $30 = 75$				
Program Area 3		BASE + $15 = 60$				
Program Area 4		BASE = 45				

An economy of scale variable is applied to those institutions with more than 15,000 undergraduate FTSE. A factor of .98 is used for the first 1,000 FTSE above 15,000, and the factor decreases .02 for each increase of 1,000 undergraduate FTSE. It is only applied to the predicted undergraduate space.

Teaching space is assigned to one of four different programmatic areas based on space requirements. Figure 1 presents these program areas and the CIP codes that are included in each area.

			Figure 2 Fall 2005					
	Program Area Summary for Public Universities							
Ε								
gra ea	011	ı	Description	Teaching Space per FTSE				
Program Area	2003	2004/ 5	Description	Under- graduate	Masters/ Professional	Doctorate		
	01	01	Agriculture, Agriculture Operations and Related					
1	02		Sciences	90	63	36		
	50	04	Architecture and Related Services					
	50	50	Visual and Performing Arts					
	03	03	Natural Resources and Conservation					
	04	14	Engineering					
	14	15	Engineering Technologies/Technicians					
2	15	21	Arts/ rechnology Education 75		52.5	30		
	21	46						
	17	47	Mechanic and Repair Technologies/Technicians					
	48	48	Precision Production					
	49	49	Transportation and Materials Moving					
3	08	09	Communication, Journalism and Related Programs	60	42 24	24		
	09	10	Communications Technologies/Technicians and Support Services					
	10 11 Co		Computer and Information Sciences and Support Services					
11 Family and Consumer Sciences/Human Services								
	19	26	Biological and Biomedical Sciences					
	20	32	Basic Skills					
	26	40	Physical Sciences					
	32	41	Science Technologies/Technicians					
	40	42	Psychology					

			Figure 2 Fall 2005			
			Program Area Summary for Public Uni	versities		
_	CID (S a d a a		NASF Allowance		
rar	CIP	Codes		Teaching Space per FTSE		
Program Area	2003	2004/ 5	Description	Under- graduate	Masters/ Professional	Doctorate
	41	51	Health Professions and Related Clinical Sciences			
	42	60	Dental, Medical and veterinary Residency Programs			
	51					
	All of		grams that are not space intensive:			
	05	05	Area, Ethnic, Cultural, and Gender Studies			
	08	12	Personal and Culinary Services			
	12	13	Education			
	13	16	Foreign Languages, Literatures and Linguistics			
	16	22	Legal Profess and Studies			
	22	23	English Language and Literature/Letters			
	23	24	Liberal Arts and Sciences, General Studies and Humanities			
	24	25	Library Science			
	25	27	Mathematics and Statistics			
	27	28	Reserve Officer Training Corps			
	28	29	Military Technologies			
	29	30	Multi/Interdisciplinary Studies			
	30	31	Parks, Recreation, Leisure and Fitness Studies			
	31	33	Citizenship Activities	4.5	04.5	40
4	32	34	Health-Related Knowledge and Skills	45	31.5	18
	33	35	Interpersonal and Social Skills			
	34	36	Leisure and Recreational Activities	1		
	35	37	Personal Awareness and Self-Improvement	1		
	36	38	Philosophy and Religious Studies			
	37	39	Theology and Religious Vocations			
	38	43	Security and Protective Services			
	39	44	Public Administration and Social Service Professions			
	42	45	Social Sciences	1		
	43	52	Business, Management, Marketing, and Related Support Services			
	44	53	High School/Secondary School Diplomas and Certificates			
	45	54	History			
	52					

Technical Colleges and the Lamar State Colleges

The space factors for academic programs at the Texas State Technical Colleges (TSTC), Lamar State College-Orange, Lamar State College-Port Arthur, and Lamar Institute of Technology are the same as those used by the universities but have additional program areas for vocational courses. Figure 3 presents the space factors for the four vocational program areas.

Figure 3 Vocational Program Areas Space Factors					
Vocational Program Area		Programs		NASF per FTSE	
1	Auto mechanics Auto body repair Construction & industrial trades	Agriculture Fire protection technology Machine shop	Air conditioning and heating Cosmetology	120	
2	Vocational Nursing	Allied Health	Printing and Graphic Arts	90	
3	Secretarial Business data processing Drafting and design	Instrumentation Culinary arts Radio & TV repair	Electronics Home economics	60	
4	Law enforcement Mental health Management	Commercial pilot Technology Marketing	Cooperative work experience Occupational health & safety	45	

Factor 2 - Library Space

Library Space for Public Universities

Library space includes all room type 400s -- reading/study rooms, stack space, and associated service areas -- and all room type 300s with a 41 (library) usage code. Library space is calculated primarily using the Association of College and Research Libraries (ACRL) standards for college libraries. Figure 4 presents the calculation variables for volumes.

Figure 4 Calculation Variables (Volumes)	
Volume Predictor	Volumes
Basic Collection	85,000
Allowance per FTE faculty	100
Allowance per FTE student	15
Allowance per undergraduate major field	350
Allowance per master's if highest degree offered	6,000
Allowance per master's if not highest degree offered	3,000
Allowance per 6th year specialist degree field	6,000
Allowance per doctoral field	25,000

Predicted university library space depends upon two factors: the number of volumes and the number of users. Figure 5 lists the amount of NASF allowed per volume and per user.

Figure 5 University Library Space Allowance Factors			
Number of Volumes	NASF per Volume		
For the first 150,000 volumes	0.10		
For the next 150,000 volumes	0.09		
For the next 300,000 volumes	0.08		
For holdings above 600,000 volumes	0.07		
For law library holdings	0.25		
Type of User NASF per User			
FTE student	6.25 NASF		
FTE faculty	3.0 NASF		

NASF is calculated for each factor, and the sum is then multiplied by 12.5 percent to determine staff needs.

Staff Space = 12.5% of the total space calculated (TS1)

Total Space (TS2) = TS1 + Staff Space

The result is then multiplied by 17 percent to account for unforeseen needs.

Additional Library Space = 17% of TS2

Total Space (TS3) = TS2 + Additional Library Space

The final value is obtained by multiplying the outcome by 0.95. According to the ACRL, libraries that provide 90 to 100 percent of the NASF predicted by the formula are graded "A" in terms of space. By applying a 95 percent adjustment to the NASF sum, the model predicts a reasonable amount of NASF to meet the needs of the institution.

Total Predicted Library Space = TS3 X 0.95

Library Space for Technical Colleges and Lamar State Colleges

The library calculation for the TSTC campuses, Lamar State College-Port Arthur, Lamar State College-Orange, and Lamar Institute of Technology is dependent upon the FTSE reported by each institution. Each FTSE is provided 50 volumes at 0.10 NASF for each stack space and 6.25 NASF for study space. To account for staff needs, 12.5 percent of the sum of the stack space and study space is added.

Stack Space = FTSE x (50 volumes x .10 NASF)
Study Space = FTSE x 6.25 NASF
Staff Space = 12.5 percent of the total space calculated
Total Predicted Library Space = Stack Space + Study Space + Staff Space

Factor 3 – Research Space

Research space includes all non-class (research) laboratories and service rooms (room type 250 and 255). Predicted research space is determined using one of two methods, depending on which method yields the greatest NASF prediction.

Method 1

Multiply 9,000 NASF for every inflated \$1 million in average research expenditures reported by the institution. The inflated rate is determined by the Consumer Price Index from September 1991 (the year the space model was developed) to the September that corresponds to the fall enrollment data being used for the model. An average of the last three years' research expenditures is used for this calculation. For example:

September 1991 factor = 137.2 September 2002 factor = 181.0 Inflation rate = (181.0 - 137.2) / 137.2 = 31.92% Divisor = \$1,000,000 X (\$1,000,000 X 0.3192) = \$1,319,242

Method 2

For each FTSE the institution reports, allot 3 NASF.

Factor 4 - Office Space

Office space includes all offices, conference rooms, and associated service areas (room type 300s). Type 300 rooms reported with a 41 (library) usage code used in the library factor formula are omitted from the office space calculation to eliminate duplication. Predicted office space is determined using one of two methods, depending on which method yields the greatest NASF prediction.

Method 1

The first method depends on the FTE faculty reported by the institution. The source for FTE faculty is the Coordinating Board's CBM-008 Faculty Report. The staff FTE is estimated to be 1.8 times FTE faculty for universities and 1.25 times FTE faculty for the Texas State Technical Colleges, Lamar State College - Orange, Lamar State College - Port Arthur, and Lamar Institute of Technology. Each FTE faculty is allowed 190 NASF, and staff FTE is allowed 170 NASF each.

Figure 6 presents how the space needs for FTE faculty and staff FTE are determined.

Figure 6 Determination of Faculty FTE and Staff FTE Space Need						
Type of Space	Type of Space Faculty Space Need Staff Space Need					
Office	120 NASF	120 NASF				
Conference Room	30 NASF	20 NASF				
Service Area	20 NASF	10 NASF				
Departmental Administration	20 NASF	20 NASF				
Total 190 NASF 170 NASF						

Method 2

The second method is dependent upon the current E&G expenditures reported by the institution. For each \$1 million (adjusted for inflation) reported, 3,500 NASF is allowed.

Factor 5 - Support Space

Support space is calculated at 9 percent of the sum of predicted space from the teaching, library, research, and office factors. Support space includes all data processing/computer rooms, shops, storage, vehicle storage, and associated service areas (room type 700s).

Example of Space Model Calculations "Mountainside University"

Mountainside University provides the following Fall 2002 data to the Coordinating Board:

Figure 1 Student Credit Hours						
Level Program Program Program Program Area 1 Area 2 Area 3 Area 4						
Undergraduate	31,590	6,201	82,515	154,707		
Master's	2,315	601	115	5,148		
Doctoral	1,008	115	2,702	84		
Professional	0	0	6,258	4,364		
Source: CBM004 Report						

Figure 2 Program Breakdown				
Level	Number of Programs			
Undergraduate Programs	74			
Master's if Highest Degree Offered	50			
Master's if Not Highest Degree Offered	54			
6th Year Specialist Fields	0			
Professional/Doctoral Fields	56			
Source: Program Inventory File maintained by the Coordinating Board				

Figure 3 Research Expenditures			
Year Expenditures			
2002	\$16,206,376		
2001	\$13,454,632		
2000 \$12,891,033			
Source: Mountainside University Fiscal Officer			

Number of Full-Time Equivalent (FTE) Faculty = 1,145.16 (Source: CBM008 Report)
Law Library Volumes = 175,900 (Source: Mountainside University Fiscal Officer)
Current E&G Expenditures = \$243,030,459 (Source: Mountainside University Fiscal Officer)

Predicted Teaching Space

Mountainside University's student credit hours are the basis for calculating predicted teaching space. First, the full-time student equivalent (FTSE) is calculated by dividing the number of credit hours for each program area and level by the appropriate Coordinating Board credit hour standard for that level:

	Figure 4 Calculated Teaching Space					
Credit	Undergraduate Master's Doctoral Professional Credit Hour Standard 15 12 9 12					Total
Progra	Reported Credit Hours	31,590	2,315	1,008	0	34,913
m Area 1	Calculated FTSE	2,106.00	192.92	112.00	0	2,410.92
Progra m	Reported Credit Hours	6,201	601	115	0	6,917
Area 2	Calculated FTSE	413.40	50.08	12.78	0	476.26
Progra m	Reported Credit Hours	82,515	115	2,702	6,258	91,590
Area 3	Calculated FTSE	5,501.00	9.58	300.22	521.50	6,332.31
Progra m	Reported Credit Hours	154,707	5,148	84	4,364	164.303
Area 4	Calculated FTSE	10,313.80	429.00	9.33	363.67	11,115.80
	eported Credit Hours	275,013	8,719	3,909	10,622	297,723
	Iculated FTSE ours / Standard)	18,334.20	681.58	434.33	885.17	20,335.28

The NASF can be calculated by multiplying the FTSE for each program area and level by the corresponding NASF per FTSE specified by the Coordinating Board. Because Mountainside University has more than 15,000 undergraduate FTSE, the economy of scale coefficients must be applied to each 1,000 FTSE increment above 15,000.

Figure 5 Calculated FTSE					
First 15,000 Undergraduate FTSE					
	FTSE NASF per FTSE Total NASF				
Program Area 1	2,106.00	90	189,540		
Program Area 2	413.40	75	31,005		
Program Area 3	5,501.00	60	330,060		
Program Area 4	6,979.60	45	314,100		
Total	15,000.00		864,675		

There are 18,334.20 undergraduate FTSEs at Mountainside University. The 15,000 FTSE limit is reached after the FTSEs in Program Areas 1, 2, 3 and 6,979.60 FTSEs from Program Area 4 have been accounted for, so the economy of scale coefficients are applied to the additional 3,334.20 FTSEs in Program Area 4:

Figure 6 Adjustment for >15,000 Undergraduate FTSE					
FTSE Increment	Coefficient	Result	NASF per FTSE	Total NASF	
1,000	0.98	980	45	44,100	
1,000	0.96	960	45	43,200	
1,000	0.94	940	45	42,300	
334.20	0.92	307.46	45	13,836	
			Total	143,436	

Total predicted teaching space for the undergraduate level is:

Calculated FTSE NASF 864,675 NASF Adjustment + 143,436

Predicted Undergraduate = 1,008,111 NASF

Predicted teaching space for the Master's, Doctoral, and Professional levels do not use economies of scale coefficients, so the calculation is more straightforward:

Figure 7 Master's Level FTSE						
	FTSE NASF per FTSE Total NASF					
Program Area 1	192.92	63	12,154			
Program Area 2	50.08	52.5	2,629			
Program Area 3	9.58	42	402			
Program Area 4	429.00	31.5	13,514			
Total	Total 681.58 28,699					

Figure 8 Doctoral Level FTSE						
	FTSE NASF per FTSE Total NASF					
Program Area 1	112.00	36	4,032			
Program Area 2	12.78	30	383			
Program Area 3	300.22	24	7,205			
Program Area 4 9.33 18 168						
Total 434.33 11,788						

Figure 9 Professional Level FTSE				
FTSE NASF per FTSE Total NASF				
Program Area 1	0.00	63	0	
Program Area 2	0.00	52.5	0	
Program Area 3	521.50	42	21,903	
Program Area 4	363.67	31.5	11,456	
Total 885.17 33,359				

The sum of the predicted teaching space for the undergraduate, master's, doctoral, and professional level FTSE results in the total predicted teaching space for Mountainside University:

Total Predicted Teaching Space	=	1,081,957 NASF
Predicted Professional Space	+	33,359 NASF
Predicted Doctoral Space	+	11,788 NASF
Predicted Master's Space	+	28,699 NASF
Predicted Undergraduate Space	=	1,008,111 NASF

Predicted Library Space

Mountainside University's FTE faculty, FTSE, and program levels are the basis for calculating predicted library space. First, the predicted number of volumes is calculated for each factor and summed:

Figure 10 Calculated Library Space			
Factor	Amount Reported	Volumes per Factor	Volumes Calculation
Basic Allowance		85,000	85,000
Per Faculty FTE	1,145.16	100	114,516
Per Student FTE	20,335.28	15	305,029
Per UG Major Field	74	350	25,900
Master's if Highest Degree Offered	50	6,000	300,000
Master's if Not Highest Degree Offered	54	3,000	162,000
6th Year Specialist Field	0	6,000	0
Professional/Doctoral Field	56	25,000	1,400,000
Total Calculated Volumes			2,392,445

The calculated volumes are used to determine the total space required to store library holdings. The first 150,000 volumes receive 0.10 NASF per volume. Lower NASF-per-volume coefficients are applied to subsequent volumes. Law library holdings are permitted 0.25 NASF per volume:

Figure 11 Calculated Volumes			
Number of Volumes	NASF per Volume	Mountainside Volumes	Total NASF
For the first 150,000 volumes	0.10	150,000	15,000
For the next 150,000 volumes	0.09	150,000	13,500
For the next 300,000 volumes	0.08	300,000	24,000
For holdings above 600,000 volumes	0.07	1,792,445	125,471
For law library holdings	0.25	175,900	43,975
Total NASF for Volumes			221,946

Space needs for faculty and students is then calculated:

Figure 12 Calculated Faculty and Student Space			
Type of User	NASF per User	Number of Users	Total NASF
FTE Faculty	3.00	1,145.16	3,435
FTE Student	6.25	20,335.28	127,096
Total NASF for Users			130,531

The sum of the NASF for Volumes and NASF for Users is multiplied by 12.5 percent to determine staff space needs.

NASF for Volumes	221,946	NASF for Volumes	221,946
NASF for Users	<u>+ 130,531</u>	NASF for Users	130,531
	x 0.125		= 352,477
NASF for Staff	= 44,060	NASF for Staff	+ 44,060
		Total NASF	= 396,537

The result is then multiplied by 17 percent to determine additional space for unforeseen needs.

Total NASF 396,537 \times 0.17 Additional Library Space = 67,411 NASF

Total NASF 396,537
Additional Space + 67,411
Total Library Space = 463,948 NASF

Predicted library space is obtained by multiplying the outcome by 0.95.

Total Library Space 463,948 x 0.95

Total Predicted Library Space = 440,751 NASF

Predicted Research Space

Predicted research space is calculated two ways. The method that yields the greatest amount of space is used.

Method 1

The first method is based on the average of the last three years of reported research expenditures *. An inflated \$1 million is determined from the consumer price index:

September 1991 Factor from Consumer Price Index = 137.2

September 2002 Factor from Consumer Price Index = 181.0

Inflation Rate = (181.0 - 137.2) / 137.2 = 31.92%

Divisor $$1,000,000 \times ($1,000,000 \times 0.3192) = $1,319,242$

The average research expenditures figure is divided by the inflated \$1 million amount. For every inflated \$1 million in average research expenditures, 9,000 NASF is allowed.

	= \$14,184,014
	÷ 3
Average Research Expenditures 3 years	= \$42,552,041
Average Research Expenditures 2000	+ \$12,891,033
Average Research Expenditures 2001	+ \$13,454,632
Average Research Expenditures 2002	\$16,206,376

Number of Inflated \$1 million =

Average Research Expenditures, 3 years
$$$14,184,014$$

Inflated \$1 million $$\div$ 1,319,242$
= \$ 10.75

Total NASF for Method 1

Method 2

The second method is based on the number of calculated FTSE. For each FTSE, 3 NASF are allotted:

Total NASF for Method 2

In the case of Mountainside University, Method 1 results in a higher predicted research space:

Total Predicted Research Space = 96,750 NASE

^{*} Research expenditures include the expenditures reported in the institution's Annual Financial Report (AFR) plus any foundation or 501c3 and TEES pass-through expenditures reported on the Annual Research Expenditures Report to the Coordinating Board.

Predicted Office Space

Predicted office space is calculated two ways. The method that yields the greatest amount of space is used.

Method 1

The first method is dependent upon the FTE faculty reported by the institution. The staff FTE is estimated to be 1.8 times the FTE faculty for universities. FTE faculty is allowed 190 NASF each, and staff FTE is allowed 170 NASF.

Calculated Staff FTE	2,061.29
Factor	<u>x 1.8</u>
Reported FTE Faculty	1,145.16

Figure 13 Calculated Office Space			
FTE Type	NASF per FTE	Number of FTEs	Total NASF
FTE Faculty	190	1145.16	217,580
FTE Staff	170	2,061.29	350,419
Total NASF for Method 1			567,999

Method 2

The second method is based on the current E&G expenditures reported by the institution. For each \$1 million (adjusted for inflation) reported, 3,500 NASF is allotted.

Reported Current Expenditures = \$243,030,459 Divided by Inflated \$1 million ÷ \$1,319,242 Number of Inflated \$1 million = **184.22**

Total NASF for Method 2 =

NASF NASF Allotment $\frac{x}{3,500}$ Total NASF Method 2 = 644,770

In the case of Mountainside University, Method 2 results in a higher predicted office space:

Total Predicted Office Space = 644,770 NASF

Predicted Support Space

Predicted support space is calculated at 9 percent of the sum of predicted space from the teaching, library, research, and office factors:

Figure 14 Support Space		
Predicted Space	Total NASF	
Teaching	1,081,957	
Library	440,751	
Research	96,750	
Office	644,770	
Total Other Predicted Space	2,264,228	

Total Other Predicted Space 2,264,228
Factor x 0.09

Total Predicted Support Space = 203,781 NASF

Calculating Space Surplus/Deficit

Mountainside University's total predicted E&G NASF for fall 2002 is:

Figure 15 All Predicted Space		
Predicted Space	Total NASF	
Teaching	1,081,957	
Library	440,751	
Research	96,750	
Office	644,770	
Support	203,781	
Total Predicted Space	2,468,009	

The actual amount of E&G NASF currently reported by Mountainside University in its Facilities Inventory File maintained by the Coordinating Board is used in identifying the actual space. Below is a sample of the data report details.

Figure 16 Total Campus Space by Room Type			
TYPE OF ROOM	<u>NASF</u>	E&G NASF	
Classrooms:			
110 Classroom	215,523	215,523	
112 Classroom Service	20,364	20,364	
SUBTOTAL	235,887	235,887	
Class Laboratories:			
210 Class Laboratory	115,984	115,984	

Figure 16 (con't) Total Campus Space By Room Type			
TYPE OF ROOM	NASF	E&G NASF	
215 Class Laboratory Service	68,278	68,278	
220 Special Class Laboratory	45,821	42,698	
225 Special Class Laboratory Service	10,554	9,845	
230 Individual Study Laboratory	164,228	160,847	
235 Individual Study Laboratory Service.	<u>8,476</u>	<u>8,476</u>	
SUBTOTAL	413,341	406,128	

Actual space is calculated for teaching, library, research, office, and support space, according to the room types associated with each factor. Mountainside University's Facilities Inventory File is used to calculate actual space for the five factors (using the room types shown in Figure 17).

Figure 17 Total Actual Space				
Actual Space	Total NASF	Room Type		
Teaching	1,097,559	100, 210-235, 500,600		
Library	401,348	400, 300 with 41 use code		
Research	115,872	250, 255		
Office	597,480	300		
Support	275,157	700		
Total Actual Space	2,487,416			

The total actual space calculated needs to be adjusted to include E&G NASF that has been approved by the Coordinating Board, but is still under construction and, therefore, not included in the university's Facilities Inventory File. Assume that Mountainside University has 157,864 E&G NASF approved but not online:

Actual Space in Facilities Inventory 2,487,416 NASF E&G Space Approved but Not On-Line + 157,864 NASF Total Adjusted Actual E&G NASF = 2,645,280 NASF

To determine the surplus/deficit for Mountainside University, subtract the total predicted E&G NASF by the space model from the total actual E&G NASF:

Adjusted Actual Space 2,645,280 NASF
Predicted Space - 2,468,009 NASF

Space Model Surplus/(Deficit) = 177,271 NASF Surplus

The result is considered a surplus because Mountainside University has more actual E&G NASF than the space model predicts it needs.

Health-Related Institutions Five-Factor Model

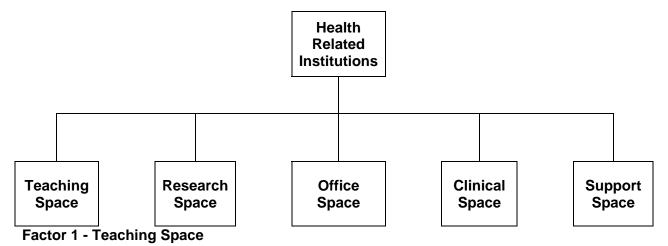
The five-factor health space projection model predicts the educational and general (E&G) space required for a public health institution to fulfill its missions of teaching, research, and public service. Auxiliary space, such as housing, bookstores, or other auxiliary enterprises, is not included.

The base unit of the model's factors is room type.² Only E&G space receives appropriations for maintenance and operations, and it is the only space predicted by this model. Room types are grouped into the five space categories in the model and are associated with the specific data that drive each particular type of space.

Each factor is based on drivers or elements which are used to compute the predicted space in each category. These data are developed from various institutionally provided information and their certified state reports.

<u>FACTORS</u>	DRIVERS/PREDICTORS
Teaching space	Reported headcount for each level and educational category
Research space	Research expenditures and full time equivalent faculty
Office space	Faculty, non-faculty, and current fund E&G expenditures
Clinical space	Actual clinical space
Support space	A percentage of the total prediction for all the other factors and library space

Health Related Institutions Five-Factor Model



Teaching space includes those rooms used for instruction and are represented in the institution's facilities inventory by room type. The following room types are considered in this factor:

Room Type	<u>Description</u>
100	classrooms
210-235	class labs, special class labs, and self-study labs
500	physical education, demonstration, audiovisual, and animal quarters
600	assembly, exhibition, lounge, meeting rooms, and locker rooms

Room types are taken from the National Center for Higher Education Management Systems' (NCHEMS) *Higher Education Facilities Inventory and Classification Manual* and described in the Coordinating Board's *Texas Higher Education Facilities Inventory Procedures Manual*.

The predicted teaching space depends on two factors:

- reported headcount by educational category
- reported headcount by level of course

There are seven educational categories and four levels of course. Predicated teaching space is determined by multiplying reported headcounts by its appropriate NASF per Headcount factor. **Figure 1** presents the NASF per Headcount factors for each level of course by educational category.

Educational Category	Figure 1 NASF per Headcount by Level of Course			
	Undergraduate	Grad/Residents	Post Doctoral	Fellow/Trainee
Medical	120	30	30	30
Dental	120	120	30	30
Public Health	75	75	30	30
Biomedical Science	65	55	30	30
Nursing	75	75	30	30
Allied Health	75	75	30	30
Pharmacy	65	55	30	30

Factor 2 - Research Space

Research space includes all non-class (research) laboratories and associated service rooms (room type 250 and 255) and all animal quarters and associated service areas (room type 570 and 575 rooms). Predicted research space is determined using one of two methods, depending on which method yields the greatest NASF prediction.

Method 1

Multiply 9,000 NASF for every inflated \$1 million in average research expenditures * reported by the institution. The inflated rate is determined by the Consumer Price Index from September 1991 (the year the space model was developed) to the September that corresponds to the Fall enrollment data being used for the model. For example:

September 1991 factor 137.2 September 2002 factor 181.0

Inflation rate $(181.0 - 137.2) \div 137.2 = 31.92\%$ Divisor $\$1,000,000 \times (\$1,000,000 \times 0.3192)$

= \$1,319,242

An average of the last three years' research expenditures is used for this calculation.

Method 2

For each full time equivalent (FTE) faculty the institution reports, allot 250 NASF.

* Research expenditures include the expenditures reported in the institution's Annual Financial Report (AFR) plus any foundation or 501c3 and TEES pass-through expenditures reported on the Annual Research Expenditures Report to the Coordinating Board.

Factor 3 - Office Space

Office space includes all offices, conference rooms and associated service areas (room type 300s). Predicted office space is determined using one of two methods, depending on which method yields the greatest result. If the method 1 result is greater than the method 2 result, then the method 1 result is the predicted value. If the method 2 result is greater than the method 1 result, then the results from method 1 and method 2 are averaged to obtain predicted office space.

Method 1

The first method depends on the institution's current E&G expenditures. Current expenditures are reported in the institution's annual financial statement. Space for auxiliary uses such as sales and correctional off-site managed care are subtracted from reported expenditures to obtain current E&G expenditures. For each \$1 million of E&G expenditures (adjusted for inflation), 1,600 NASF is allowed.

Method 2

The second method depends on the FTE faculty reported by the institution. The source for FTE faculty is the Coordinating Board's CBM-008 Faculty Report. The non-faculty FTE is estimated by multiplying the reported FTE faculty for each institution by the ratio of FTE non-faculty to FTE faculty shown in each institution's Legislative Appropriations Request. FTE faculty is allowed 190 NASF each, and non-faculty FTE is allowed 170 NASF each.

Figure 2 presents the ratios of FTE non-faculty to FTE faculty for each institution as of Fall 2002. **Figure 3** presents how the space needs for FTE faculty and non-faculty FTE are determined.

Figure 2 Ratio of FTE Non-Faculty to Faculty		
Institution	Ratio	
Texas Tech University Health		
Science Center	3.16	
The University of Texas Health		
Science Center at Tyler	2.50	
The University of Texas Health		
Science Center at Houston	3.02	
The University of Texas Health		
Science Center at San Antonio	2.06	
The University of Texas M.D.		
Anderson Cancer Center	2.50	
The University of Texas Medical		
Branch at Galveston	2.50	
University of North Texas Health		
Sciences Center at Fort Worth	2.60	
Texas A&M University Health		
Science Center	3.51	

Figure 3 Determination of Faculty FTE and Non-Faculty FTE Space Need						
Type of Space	Type of Space Faculty Space Need Non-Faculty Space Need					
Office	120 NASF	120 NASF				
Conference Room	20 NASF					
Service Area 20 NASF 10 NASF						
Departmental Administration 20 NASF 20 NASF						
Total 190 NASF 170 NASF						

Factor 4 - Clinical Space

Clinical space includes all health care rooms located in student health care centers, medical centers, teaching hospitals, and veterinary facilities (room type 800s). A formula has not been developed to predict clinical space because health-related institutions in Texas offer different clinical arrangements. The actual clinical space reported in the institution's facilities inventory maintained by the Coordinating Board is considered the predicted clinical space in this model.

Factor 5 - Support Space

Support space includes all data processing/ computer rooms, shops, storage, vehicle storage, and associated service areas (room type 700s) and all study/library space and associated service areas (room type 400s). Predicted support space is calculated at nine percent of the sum of predicted space from the teaching, research, office, and clinical factors plus a library factor. Single-program institutions such as The University of Texas Health Center at Tyler are assigned 25,000 NASF for libraries. Multi-program institutions such as Texas Tech Health Science Center are assigned 50,000 NASF.

Multi-Campus Adjustment

A multi-campus adjustment is applied to those institutions that have operations in locations other than the main campus. Institutions that are eligible for the adjustment must have instructional programs that are carried out on branch campuses recognized by the Legislature. **Figure 4** indicates the institutions and campuses that may receive the adjustment for fall 2002.

Figure 4 Branch Campuses Eligible for the Multi-Campus Adjustment					
Texas Tech University HSC					
Amarillo El Paso Midland Odessa	McAllen Temple	Edinburg Harlingen Laredo	Brownsville		

For each qualifying remote campus, institutions receive a multi-campus adjustment equal to 100 percent of the first 10,000 E&G NASF on that remote campus and 25 percent of all E&G NASF in excess of the first 10,000 NASF.

Example of Space Model Calculations

"Mountainside University Health Science Center"

Mountainside University Health Science Center provides the following Fall 2002 data to the Coordinating Board:

Educational	Figure 1 Headcount by Level of Course			
Category	Undergraduate	Grad/Residents	Post Doctoral	Fellow/Trainee
Medical	251	266	0	80
Dental	165	15	64	11
Public Health	0	0	0	0
Biomedical Science	0	54	0	0
Nursing	157	56	0	0
Allied Health	75	243	0	0
Pharmacy	0	198	28	0
(Source: University Fiscal Officer)				

Figure 2 Research Expenditures			
Year Expenditures			
2002	\$89,578,354		
2001 \$80,214,654			
2000 \$69,256,546			
Source: University Fiscal Officer			

Number of Full-Time Equivalent (FTE) Faculty = **857.48** (Source: CBM008 Report)

Current E&G Expenditures = \$627,864,112

Auxiliary Expenditures = \$624,358

(Source: University Fiscal Officer) (Source: University Fiscal Officer)

Predicted Teaching Space

Mountainside University Health Science Center's reported headcount is the basis for calculating predicted teaching space. Predicated teaching space is determined by multiplying reported headcounts by its appropriate NASF per Headcount factor:

Figure 3 Calculated NASF Undergraduate Level					
	Reported NASF per Headcount Headcount Total NASF				
Medical	251	120	30,120		
Dental	165	120	19,800		
Public Health	0	75	0		
Biomedical Science	0	65	0		
Nursing	157	75	11,775		
Allied Health	75	75	5,625		
Pharmacy	0	65	0		
Total	648		67,320		

Figure 4 Calculated NASF Grad/Residents Level					
	Reported NASF per Headcount Headcount Total NASF				
Medical	266	30	7,980		
Dental	15	120	1,800		
Public Health	0	75	0		
Biomedical Science	54	55	2,970		
Nursing	56	75	4,200		
Allied Health	243	75	18,225		
Pharmacy	198	55	10,890		
Total	832		46,065		

Figure 5 Calculated NASF Post Doctoral Level						
	Reported NASF per Headcount Headcount Total NASF					
Medical	0	30	0			
Dental	64	30	1,920			
Public Health	0	30	0			
Biomedical Science	0	30	0			
Nursing	0	30	0			
Allied Health	0	30	0			
Pharmacy	28	30	840			
Total	92		2,760			

Figure 6 Calculated NASF Fellow/Trainee Level									
	Reported Headcount	NASF per Headcount	Total NASF						
Medical	80	30	2,400						
Dental	11	30	330						
Public Health	0	30	0						
Biomedical Science	0	30	0						
Nursing	0	30	0						
Allied Health	0	30	0						
Pharmacy	0	30	0						
Total	91		2,730						

The sum of the calculated NASF for the undergraduate, grad/residents, post doctoral, and fellow/trainee levels for Mountainside University Health Science Center:

Predicted Undergraduate Space = 67,320 NASF
Predicted Grad/Residents Space + 46,065 NASF
Predicted Post Doctoral Space + 2,760 NASF
Predicted Fellow/Trainee Space + 2,730 NASF
Total Predicted Teaching Space = 118,875 NASE

Predicted Research Space

Predicted research space is calculated two ways. The method that yields the greatest amount of space is used.

Method 1

The first method is based on the average of the last three years of reported research expenditures *. An inflated \$1 million is determined from the consumer price index:

September 1991 Factor from Consumer Price Index = 137.2

September 2002 Factor from Consumer Price Index = 181.0

Inflation Rate = $(181.0 - 137.2) \div 137.2 = 31.92\%$

Divisor $$1,000,000 \times ($1,000,000 \times 0.3192) = $1,319,242$

The average research expenditures figure is divided by the inflated \$1 million amount. For every inflated \$1 million in average research expenditures, 9,000 NASF allowed.

Number of Inflated \$1 million =

Average Research Expenditures 3 years \$79,683,185
Inflated \$1 million
$$\div$$
 \$1,319,242
= 60.40

Total NASF for Method 1

$$9,000$$
 NASF $\frac{x + 60.40}{= 543,607}$ NASF

Method 2

The second method is based on the number reported full time equivalent (FTE) faculty. For each FTE faculty, 250 NASF are allotted:

Total NASF for Method 2

In the case of Mountainside University Health Science Center, method 1 results in a higher predicted research space:

Total Predicted Research Space = 543,607 NASF

^{*} Research expenditures include the expenditures reported in the institution's Annual Financial Report (AFR) plus any foundation or 501c3 and TEES pass-through expenditures reported on the Annual Research Expenditures Report to the Coordinating Board.

Predicted Office Space

Predicted office space is calculated two ways. The method that yields the greatest amount of space is used.

Method 1

The first method is based on the current E&G expenditures reported by the institution, minus any included auxiliary expenditures. For each \$1 million (adjusted for inflation) reported, 1,600 NASF is allotted.

Total NASF for Method 1 =

Number of Inflated \$1 million = 475.45NASF Allotment x = 760.727

Method 2

The second method is dependent upon the FTE faculty reported by the institution. The staff FTE is estimated by multiplying the reported FTE faculty by the ratio of FTE staff to FTE faculty shown in Mountainside University Health Science Center's Legislative Appropriations Request (LAR). FTE faculty is allowed 190 NASF each, and staff FTE is allowed 170 NASF.

Reported FTE Faculty	857.48
Factor (from LAR)	x 2.50
Calculated Staff FTE	2,143.70

Figure 7 Calculated Office Space								
FTE Type NASF per Number of FTE FTES Total NAS								
FTE Faculty	190	857.48	162,921					
FTE Staff	170	2,143.70	364,429					
	527,350							

If the method 1 result is greater than the method 2 results, then the method 1 result is the predicted value. If the method 2 result is greater than the method 1 result, then the results from method 1 and method 2 are averaged to obtain predicted office space. In the case of Mountainside University Health Science Center, method 1 yields the greatest result.

Total Predicted Office Space = <u>760,727 NASF</u>

Predicted Clinical Space

Because a formula has not been developed to predict clinical, the actual clinical space reported in the Mountainside University Health Science Center's facilities inventory, maintained by the Coordinating Board, is considered the predicted clinical space in this model.

Total Predicted Clinical Space = Total Actual Clinical Space = 82,597 NASF

Predicted Support Space

Predicted support space is calculated at nine percent of the sum of predicted space from the teaching, research, office, and clinical factors, plus a library factor. The library factor used is 50,000 NASF because Mountainside University Health Science Center is a multi-program institution.

Figure 8 Support Space									
Predicted Space	Total NASF								
Teaching	118,875								
Research	543,607								
Office	760,727								
Clinical	82,597								
Total Other Predicted Space	1,505,806								

Total Other Predicted Space		1,505,806 NASF
Factor	X	0.09
Subtotal		135,523 NASF
Library Factor	=	50,000 NASF
Total Predicted Support Space	=	185,523 NASF

Multi-Campus Adjustment

Mountainside University Health Science Center has a recognized branch location in Tuscaloo, Texas. This location reports 50,000 E&G NASF. The multi-campus adjustment for the university is equal to 100 percent of the first 10,000 E&G NASF on that remote campus and 25 percent of all E&G NASF in excess of the first 10,000 NASF.

	10,000 NASF
25 percent of Excess	x 0.25
Excess E&G NASF	= 40,000 NASF
100 percent of first 10,000 NASF	 10,000 NASF
Reported E&G NASF	50,000 NASF

Total Multi-Campus Adjustment = 10,000 NASF + 10,000 NASF = <u>20,000 NASF</u> Calculating Space Surplus/Deficit Mountainside University's total predicted E&G NASF for Fall 2002 is:

Figure 9 All Predicted Space								
Predicted Space	Total NASF							
Teaching	118,875							
Research	543,607							
Office	760,727							
Clinical	82,597							
Support	185,523							
Multi-Campus Adjustment	20,000							
Total Predicted Space	1,711,329							

The actual amount of E&G NASF currently reported by Mountainside University Health Science Center in its Facilities Inventory File maintained by the Coordinating Board is used in identifying the actual space. Below is a sample of the data report details.

Figure 10 Total Campus Space By Room Type										
TYPE OF ROOM NASF E&G NASF										
Classrooms:										
110 Classroom	21,523	21,523								
112 Classroom Service	3,364	3,364								
SUBTOTAL	24,887	235,887								
Class Laboratories:										
210 Class Laboratory	25,984	25,984								
215 Class Laboratory Service	4,278	4,278								
220 Special Class Laboratory	1,821	1,821								
225 Special Class Laboratory Service	115	115								
230 Individual Study Laboratory	2,847	2,847								
235 Individual Study Laboratory Service.	684	684								
SUBTOTAL	35,729	35,729								

Actual space is calculated for teaching, research, office, clinical, and support space, according to the room types associated with each factor. Mountainside University Health Science Center's Facilities Inventory File is used to calculate actual space for the five factors.

Figure 11 Total Actual Space										
Actual Space Total NASF Room Type										
Teaching	98,976	100, 210-235, 500, 600								
Research	468,335	250-255								
Office	726,594	300								
Clinical	82,597	800								
Support	183,613	700, 400								
Total Actual Space	1,560,115									

The total actual space calculated must be adjusted to include E&G NASF that has been approved by the Coordinating Board, but is still under construction and, therefore, not included in the university's Facilities Inventory File. Assume that Mountainside University Health Science Center has 157,864 E&G NASF approved but not online:

Actual Space in Facilities Inventory 1,560,115 NASF E&G Space Approved but Not On-Line + 57,864 NASF Total Actual E&G NASF = 1,617,979 NASE

To determine the surplus/deficit for Mountainside University Health Science Center, subtract the total predicted E&G NASF by the space model from the total actual E&G NASF:

Actual Space 1,617,979 NASF
Predicted Space -1,711,329 NASF

Space Model Surplus/(Deficit) = (93,532) NASF Deficit

The result is considered a deficit because Mountainside University Health Science Center has less actual E&G NASF than the space model predicts it needs.

Texas Higher Education Coordinating Board - Academic Space Projection Model - Fall 2009

Summary		Fall 2009 Adjusted	Total Actual	Education and General	Fall 2009 Unadjusted	Total		
FICE	Institutions	Surplus (Deficit)	Adjusted	Approved - Not Online	Surplus (Deficit)	Predicted	Actual	
003656	UT-Arlington	(475,973)	1,991,493	19,229	(495,202)	2,467,466	1,972,264	
003658	UT-Austin	(1,434,798)	8,641,073	543,061	(1,977,859)	10,075,871	8,098,012	
009741	UT-Dallas	(419,679)	1,376,631	180,624	(600,303)	1,796,310	1,196,007	
003661	UT-El Paso	(327,363)	1,653,782	200,180	(527,543)	1,981,145	1,453,602	
003599	UT-Pan American	(460,314)	1,080,434	2,655	(462,969)	1,540,748	1,077,779	
030646	UT-Brownsville	(287,700)	234,805	33,576	(321,276)	522,505	201,229	
009930	UT-Permian Basin	44,551	345,250	105,594	(61,043)	300,699	239,656	
010115	UT-San Antonio	(1,047,212)	1,495,656	4,000	(1,051,212)	2,542,868	1,491,656	
011163	UT-Tyler	(123,500)	416,077	43,673	(167,173)	539,577	372,404	
003632	TAMU	(957,324)	5,437,233	264,449	(1,221,773)	6,394,557	5,172,784	
010298	TAMU-Galveston	(17,394)	234,993	18,754	(36,148)	252,387	216,239	
003630	Prairie View	(115,667)	807,599	(6,803)	(108,864)	923,266	814,402	
003631	Tarleton	65,428	818,889	65,333	95	753,461	753,556	
011161	TAMU-Corpus Christi	(185,920)	704,385	106,150	(292,070)	890,305	598,235	
003639	TAMU-Kingsville	156,100	832,110	(2,825)	158,925	676,010	834,935	
009651	TAM-International	(82,821)	404,168	59,374	(142,195)	486,989	344,794	
003665	West Texas	114,571	824,315	0	114,571	709,744	824,315	
003565	TAMU-Commerce	58,056	728,741	34,360	23,696	670,685	694,381	
029269	TAMU-Texarkana	42,687	172,783	91,993	(49,306)	130,096	80,790	
103631	TAMU-Central Texas	(11,914)	111,831	36,700	(48,614)	123,745	75,131	
103639	TAMU-San Antonio	(59,889)	97,229	59,000	(118,889)	157,118	38,229	
003652	UH	(991,867)	3,149,411	124,913	(1,116,780)	4,141,278	3,024,498	
011711	UH-Clear Lake	(44,246)	513,173	33,300	(77,546)	557,419	479,873	
012826	UH-Downtown	(346,304)	467,762	0	(346,304)	814,066	467,762	
013231	UH-Victoria	(53,164)	165,387	29,250	(82,414)	218,551	136,137	
003592	Midwestern	(83,403)	431,045	(1,431)	(81,972)	514,448	432,476	
003594	North Texas	(904,987)	2,179,507	92,030	(997,017)	3,084,494	2,087,477	
113594	North Texas-Dallas	(10,813)	110,516	57,972	(68,785)	121,329	52,544	
003624	SFA	(188,023)	1,006,308	28,774	(216,797)	1,194,331	977,534	
003642	Texas Southern	(180,670)	883,898	(84)	(180,586)	1,064,568	883,982	
003644	Texas Tech	(443,310)	3,048,320	93,844	(537,154)	3,491,630	2,954,476	
003541	Angelo	(20,506)	570,116	6,047	(26,553)	590,622	564,069	
003646	Texas Woman's	(190,738)	903,390	58,560	(249,298)	1,094,128	844,830	
003581	Lamar	(232,630)	778,394	11,387	(244,017)	1,011,024	767,007	
003606	Sam Houston	(311,032)	1,140,648	24,323	(335,355)	1,451,680	1,116,325	
003615	Texas State-San Marcos	(693,257)	1,948,416	128,751	(822,008)	2,641,673	1,819,665	
003625	Sul Ross	20,932	267,351	0	20,932	246,419	267,351	
000020	Sul Ross-Rio Grande	(10,995)	57,869	0	(10,995)	68,864	57,869	
009225	TSTC-Harlingen	47,171	457,501	4,448	42,723	410,330	453,053	
009932	TSTC-West Texas	132,116	292,214	0	132,116	160,098	292,214	
033965	TSTC-Marshall	10,413	97,050	2,923	7,490	86,637	94,127	
003634	TSTC-Waco	14,229	661,287	0	14,229	647,058	661,287	
036273	Lamar-IOT	(145,059)	115,512	0	(145,059)	260,571	115,512	
023582	Lamar-Orange	(39,034)	125,872	0	(39,034)	164,906	125,872	
023485	Lamar-Port Arthur	(71,284)	129,374	0	(71,284)	200,658	129,374	
	for University of Texas-Brownsyi	* 1 1	47,909,798	2,554,084	(12,816,622)	58,172,336	45,355,714	

Actual data for University of Texas-Brownsville excludes leased space.

Military Science credit hours were included in program area 3.

This Model's Surplus/Deficit is used in the Higher Education Assistance Fund Model and the Project Application Approval Process and Predicted Space is used in Infrastructure Formula Funding and Sources & Uses Report

Lamar University and Lamar Institute of Technology space for Library and Support adjusted per letter of agreement dated November 11, 2005

Texas Higher Education Coordinating Board - Academic Space Projection Model - Fall 2009

Summary FICE 003656			Fall 2009			Fall 2008			Change		Percent	Change
	Institution	Predicted	Actual	Adjusted	Predicted	Actual	Adjusted	Predicted	Actual	Adjusted	Predicted	Actual
	UT-Arlington	2,467,466	1,972,264	(475,973)	2,326,652	1,947,086	(241,942)	140,814	25,178	(234,031)	6%	1%
003658	UT-Austin	10,075,871	8,098,012	(1,434,798)	9,541,186	7,976,384	(862,160)	534,685	121,628	(572,638)	6%	2%
	UT-Dallas	1,796,310	1,196,007	(419,679)	1,654,208	1,125,453	(450,555)	142,102	70,554	30,876	9%	6%
	UT-El Paso	1,981,145	1,453,602	(327,363)	1,866,429	1,465,266	(201,288)	114,717	(11,664)	(126,076)	6%	-1%
	UT-Pan American	1,540,748	1,077,779	(460,314)	1,443,684	1,114,316	(329,368)	97,064	(36,537)	(130,946)	7%	-3%
	UT-Brownsville	522,505	201,229	(287,700)	490,829	201,196	(256,057)	31,677	33	(31,644)	6%	0%
	UT-Permian Basin	300,699	239,656	44,551	290,741	240,640	55,493	9,958	(984)	(10,942)	3%	0%
	UT-San Antonio	2,542,868	1,491,656	(1,047,212)	2,407,091	1,398,821	(919,291)	135,777	92,835	(127,921)	6%	7%
011163		539,577	372,404	(123,500)	547,387	403,578	(133,110)	(7,810)	(31,174)	9,610	-1%	-8%
003632		6,394,557	5,172,784	(957,324)	6,055,961	4,962,613	(838,603)	338,596	210,171	(118,721)	6%	4%
	TAMU-Galveston	252,387	216,239	(17,394)	220,543	216,241	61,198	31,844	(2)	(78,592)	14%	0%
	Prairie View	923,266	814,402	(115,667)	870,139	868,805	(1,334)	53,127	(54,403)	(114,333)	6%	-6%
	Tarleton	753,461	753,556	65,428	797,402	812,002	81,815	(43,940)	(58,446)	(16,388)	-6%	-7%
011161	TAMU-Corpus Christi	890,305	598,235	(185,920)	839,069	600,587	(169,533)	51,236	(2,352)	(16,387)	6%	0%
	TAMU-Kingsville	676,010	834,935	156,100	713,448	817,187	119,414	(37,438)	17,748	36,686	-5%	2%
i i	TAM-International	486,989	344,794	(82,821)	448,373	343,202	13,001	38,616	1,592	(95,822)	9%	0%
	West Texas	709,744	824,315	114,571	673,891	741,862	67,971	35,854	82,453	46,599	5%	11%
	TAMU-Commerce	670,685	694,381	58,056	650,286	743,085	101,691	20,398	(48,704)	(43,634)	3%	-7%
	TAMU-Texarkana	130,096	80,790	42,687	123,456	80,709	46,386	6,640	81	(3,698)	5%	0%
103631	TAMU-Central Texas	123,745	75,131	(11,914)		·	·	123,745	75,131	(11,914)		
	TAMU-San Antonio	157,118	38,229	(59,889)				157,118	38,229	(59,889)		
003652	UH	4,141,278	3,024,498	(991,867)	3,934,132	2,905,881	(955,720)	207,147	118,617	(36,148)	5%	4%
011711	UH-Clear Lake	557,419	479,873	(44,246)	552,789	489,962	(31,227)	4,631	(10,089)	(13,020)	1%	-2%
012826	UH-Downtown	814,066	467,762	(346,304)	781,602	516,484	(265,118)	32,463	(48,722)	(81,185)	4%	-9%
013231	UH-Victoria	218,551	136,137	(53,164)	205,948	94,149	18,951	12,603	41,988	(72,115)	6%	45%
003592	Midwestern	514,448	432,476	(83,403)	486,849	476,275	(6,573)	27,599	(43,799)	(76,830)	6%	-9%
003594	North Texas	3,084,494	2,087,477	(904,987)	2,895,651	2,099,469	(664,462)	188,844	(11,992)	(240,526)	7%	-1%
113594	North Texas-Dallas	121,329	52,544	(10,813)				121,329	52,544	(10,813)		
003624	SFA	1,194,331	977,534	(188,023)	1,132,000	991,379	(31,394)	62,331	(13,845)	(156,629)	6%	-1%
003642	Texas Southern	1,064,568	883,982	(180,670)	1,011,987	896,023	(115,964)	52,581	(12,041)	(64,706)	5%	-1%
003644	Texas Tech	3,491,630	2,954,476	(443,310)	3,314,165	2,895,407	(312,265)	177,464	59,069	(131,044)	5%	2%
003541	Angelo	590,622	564,069	(20,506)	561,743	558,304	(3,439)	28,879	5,765	(17,067)	5%	1%
003646	Texas Woman's	1,094,128	844,830	(190,738)	1,080,791	854,474	(199,776)	13,337	(9,644)	9,038	1%	-1%
003581	Lamar	1,011,024	767,007	(232,630)	929,498	770,194	(179,214)	81,526	(3,187)	(53,416)	9%	0%
003606	Sam Houston	1,451,680	1,116,325	(311,032)	1,450,200	1,059,004	(236,624)	1,480	57,321	(74,408)	0%	5%
003615	Texas State-San Marcos	2,641,673	1,819,665	(693,257)	2,472,480	1,802,188	(525,057)	169,193	17,477	(168,200)	7%	1%
003625	Sul Ross	246,419	267,351	20,932	233,649	266,431	32,782	12,770	920	(11,850)	5%	0%
000020	Sul Ross-Rio Grande	68,864	57,869	(10,995)	64,740	55,306	(9,434)	4,124	2,563	(1,561)	6%	5%
	TSTC-Harlingen	410,330	453,053	47,171	377,506	452,535	75,029	32,824	518	(27,858)	9%	0%
	TSTC-West Texas	160,098	292,214	132,116	162,403	291,354	128,951	(2,306)	860	3,166	-1%	0%
	TSTC-Marshall	86,637	94,127	10,413	71,816	92,454	20,638	14,821	1,673	(10,225)	21%	2%
	TSTC-Waco	647,058	661,287	14,229	523,776	650,527	126,751	123,281	10,760	(112,521)	24%	2%
	Lamar-IOT	260,571	115,512	(145,059)	260,839	120,676	(108,866)	(268)	(5,164)	(36,193)	0%	-4%
	Lamar-Orange	164,906	125,872	(39,034)	148,903	129,871	(19,032)	16,003	(3,999)	(20,002)	11%	-3%
023485	Lamar-Port Arthur	200,658	129,374	(71,284)	169,768	170,902	1,134	30,889	(41,528)	(72,417)	18%	-24%
		58,172,336	45,355,714	10,262,538	54,784,010	44,698,282	7,116,203	3,388,325	657,432	3,146,335	6%	1%

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Texas Higher Education Coordinating Board - Academic Space Projection Model - Fall 2009

Summar	У	To	tal	Teac	hing	Libr	rary	Rese	arch	Office		Su	Support	
FICE	Institutions	Predicted	Actual	Predicted	Actual	Predicted	Actual	Predicted	Actual	Predicted	Actual	Predicted	Actual	
003656	UT-Arlington	2,467,466	1,972,264	999,883	792,059	310,370	191,114	262,336	239,217	691,141	624,495	203,736	125,379	
003658	UT-Austin	10,075,871	8,098,012	2,054,969	2,023,972	1,039,855	1,115,068	2,482,961	1,338,803	3,666,134	2,659,158	831,953	961,011	
009741	UT-Dallas	1,796,310	1,196,007	575,659	312,408	217,597	118,371	284,779	202,885	569,956	464,483	148,319	97,860	
003661	UT-El Paso	1,981,145	1,453,602	757,858	522,020	248,154	182,436	233,928	168,536	577,625	489,261	163,581	91,349	
003599	UT-Pan American	1,540,748	1,077,779	735,317	421,338	192,176	94,260	42,063	63,263	443,974	345,158	127,218	153,760	
030646	UT-Brownsville	522,505	201,229	164,741	130,042	68,940	3,101	27,638	3,893	218,044	62,278	43,143	1,915	
009930	UT-Permian Basin	300,699	239,656	124,339	102,503	53,541	41,315	11,233	12,378	86,758	60,943	24,828	22,517	
	UT-San Antonio	2,542,868	1,491,656	1,105,775	571,136	314,529	136,565	179,306	212,693	733,297	511,698	209,962	59,564	
011163		539,577	372,404	237,594	182,115	92,340	33,810	13,786	17,844	151,305	119,739	44,552	18,896	
003632		6,394,557	5,172,784	2,022,062	1,658,015	676,147	527,104	973,828	796,780	2,194,529	1,677,646	527,991	513,239	
	TAMU-Galveston	252,387	216,239	89,183	91,585	33,348	17,770	27,645	24,443	81,371	58,893	20,839	23,548	
	Prairie View	923,266	814,402	375,784	375,361	116,724	82,207	59,961	48,168	294,564	249,801	76,233	58,865	
003631		753,461	753,556	345,093	438,725	96,321	66,304	53,399	13,217	196,436	172,397	62,212	62,913	
	TAMU-Corpus Christi	890,305	598,235	361,512	233,296	122,835	79,616	77,941	41,002	254,506	207,223	73,511	37,098	
	TAMU-Kingsville	676,010	834,935	250,713	355,027	100,479	124,840	77,741	84,282	191,260	186,827	55,817	83,959	
	TAM-International	486,989	344,794	211,779	158,680	80,699	41,658	12,890	3,982	141,411	130,414	40,210	10,060	
	West Texas	709,744	824,315	318,737	431,624	105,999	92,648	33,862	38,024	192,544	176,207	58,603	85,812	
	TAMU-Commerce	670,685	694,381	285,953	318,242	118,606	110,216	18,093	16,661	192,655	199,861	55,378	49,401	
	TAMU-Texarkana	130,096	80,790	40,669	32,043	35,372	19,188	2,726	0	40,588	28,505	10,742	1,054	
	TAMU-Central Texas	123,745	75,131	43,109	51,606	32,022	3,375	2,898	0	35,498	20,303	10,742	0	
	TAMU-Central Texas TAMU-San Antonio	157,118	38,229	61,786	19,903	32,928	0	4,196	0	45,235	17,708	12,973	618	
003652		4,141,278	3,024,498	1,439,691	946,915	570,550	439,209	482,824	427,615	1,306,273	974,084	341,940	236,675	
	UH-Clear Lake	557,419	479,873	213,228	163,108	90,377	91,251	13,977	12,578	193,812	172,663	46,025	40,273	
	UH-Downtown	814,066	467,762	404,509	192,326	100,662	67,245	24,130	5,425	217,549	172,003	67,216	28,838	
	UH-Victoria	218,551	136,137	84,166	54,535	42,656	16,197	6,078	561	67,605	53,807	18,045	11,037	
	Midwestern	514,448	432,476	237,124	195,324	76,409	59,004	13,716	12,282	144,722	118,381	42,477	47,485	
	North Texas	3,084,494	2,087,477	1,331,368	813,037	448,582	250,513	85,799	189,368	964,063	698,933	254,683	135,626	
	North Texas-Dallas		52,544	44,179	28,890	24,582		11,600	109,300		19,261	10,018	235	
		121,329				154,777	4,158			30,950				
003624		1,194,331	977,534	558,384	477,228	,	152,881	36,095	32,648	346,461	256,138	98,615 87,900	58,639	
	Texas Southern Texas Tech	1,064,568	883,982	381,943 1,351,744	417,877	216,328	102,871	34,425	47,140 480,775	343,973	269,962 897,104		46,132	
		3,491,630	2,954,476		963,589	537,793	375,439	330,848		982,945		288,300	237,569	
003541		590,622	564,069	275,784	293,285	85,093	67,969	15,481	25,496	165,498	134,533	48,767	42,786	
	Texas Woman's	1,094,128	844,830	444,408	361,230	180,086	100,568	27,589	36,862	351,704	268,945	90,341	77,225	
003581		1,011,024	767,007	447,399	344,383	163,710	101,047	30,306	41,317	278,254	208,797	91,355	71,463	
	Sam Houston	1,451,680	1,116,325	707,878	535,804 831,179	188,326 321,552	130,417	40,881	39,702	394,732	351,132	119,864	59,270	
	Texas State-San Marcos	2,641,673	1,819,665	1,244,569			218,433	107,025	82,414	750,408	561,852	218,120	125,787	
003625		246,419	267,351	77,566	162,936	42,063	18,467	10,752	2,192	95,692	66,919	20,347	16,837	
	Sul Ross-Rio Grande	68,864	57,869	23,155	39,551	20,589	0	1,578	074	17,856	17,629	5,686	689	
	TSTC-Harlingen	410,330	453,053	236,372	302,429	45,476	24,030	10,780	874	83,821	86,288	33,880	39,432	
	TSTC-West Texas	160,098	292,214	81,932	202,538	13,161	10,266	3,120	0	48,667	65,261	13,219	14,149	
	TSTC-Marshall	86,637	94,127	49,782	57,145	7,884	10,233	1,869	0	19,949	23,490	7,154	3,259	
	TSTC-Waco	647,058	661,287	403,725	499,364	58,947	18,546	13,973	5,076	116,987	119,368	53,427	18,933	
	Lamar-IOT	260,571	115,512	179,838	84,499	6,514	907	7,220	0	53,359	28,490	13,639	1,616	
	Lamar-Orange	164,906	125,872	93,665	76,497	18,379	11,321	4,357	0	34,890	27,150	13,616	10,904	
023485	Lamar-Port Arthur	200,658	129,374	113,294	77,077	20,384	13,727	4,832	0	45,579	31,175	16,568	7,395	
		58,172,336	45,355,714		17,342,446	7,523,860	5,365,665	6,202,462	4,768,396	18,054,579	14,088,135	4,803,220	3,791,072	

Actual data for University of Texas-Brownsville excludes leased space.

Surplus/Deficit is used in the Higher Education Assistance Fund Model and the Project Application Approval Process and Predicted Space is used in Infrastructure Formula Funding and Sources & Uses Report Lamar University and Lamar Institute of Technology space for Library and Support adjusted per letter of agreement dated November 11, 2005

3

Military Science credit hours were included in program area 3.

Final January 1,	Summary Fall 2008 Space Model Data	Teaching		Library		Research		Office		Support			E&G Approved -	Actual		Fall 2008 Unadjusted	Fall 2008 Adjusted
s FICE	INSTITUTIONS	Pred	Actual	Pred	Actual	Pred	Actual	Pred	Actual	Pred	Actual	Predicted Total	Not Online	Total	Adjusted	Surplus / Deficit	Surplus/ Deficit
7 003592	Midwestern State University	226,505	235,199	74,493	64,556	13,132	12,915	132,521	121,259	40,199	42,346	486,849	4,001	476,275	480,276	(10,574)	(6,573)
7 003624	Stephen F. Austin State University	525,302	465,169	146,118	171,511	33,889	35,594	333,223	253,933	93,468	65,172	1,132,000	109,227	991,379	1,100,606	(140,621)	(31,394)
2 003630	Prairie View A&M University	358,924	413,215	118,740	83,186	59,542	51,424	261,087	261,942	71,846	59,038	870,139	0	868,805	868,805	(1,334)	(1,334)
2 003631	Tarleton State University	364,600	491,349	100,751	65,580	48,605	13,216	217,605	178,818	65,840	63,039	797,402	67,215	812,002	879,217	14,600	81,815
2 009651	Texas A&M International University	190,586	162,506	77,022	41,944	11,748	3,982	131,995	126,579	37,022	8,191	448,373	118,172	343,202	461,374	(105,171)	13,001
2 003632	Texas A&M University	2,017,865	1,513,777	670,584	523,407	823,167	748,874	2,044,311	1,664,653	500,033	511,902	6,055,961	254,745	4,962,613	5,217,358	(1,093,348)	(838,603)
2 010298	Texas A&M University at Galveston	78,688	91,585	31,419	17,770	26,660	24,443	65,566	58,895	18,210	23,548	220,543	65,500	216,241	281,741	(4,302)	61,198
2 003565	Texas A&M University - Commerce	276,693	330,904	117,211	124,541	17,686	16,701	185,003	195,589	53,693	75,350	650,286	8,892	743,085	751,977	92,799	101,691
2 011161	Texas A&M University - Corpus Christi	349,167	291,233	119,764	72,061	73,338	25,110	227,519	188,335	69,281	23,848	839,069	68,949	600,587	669,536	(238,482)	(169,533)
2 003639	Texas A&M University - Kingsville	280,624	355,175	108,087	124,471	71,099	88,695	194,730	173,639	58,909	75,207	713,448	15,675	817,187	832,862	103,739	119,414
2 029269	Texas A&M University - Texarkana	38,046	32,926	32,477	19,187	2,573	0	40,166	27,541	10,194	1,055	123,456	89,132	80,709	169,841	(42,746)	46,386
2 003665	West Texas A&M University	305,716	387,995	103,771	91,466	31,640	40,615	177,121	135,977	55,642	85,809	673,891	0	741,862	741,862	67,971	67,971
7 003642	Texas Southern University	369,696	419,201	214,306	106,189	30,803	48,806	313,623	275,277	83,559	46,550	1,011,987	0	896,023	896,023	(115,964)	(115,964)
6 003541	Angelo State University	268,736	292,069	81,460	74,261	15,063	24,752	150,102	124,852	46,382	42,370	561,743	0	558,304	558,304	(3,439)	(3,439)
6 003581 6 003606	Lamar University **	440,520	360,215	139,836 188.795	114,766 132.006	26,877 40.936	33,508	245,517 390.575	207,313	76,748 119.741	54,392	929,498	11,387	770,194 1.059.004	781,581	(159,304)	(236.624)
6 003615	Sam Houston State University	710,152 1,191,153	519,339 823,797	307,078	218,108	69.683	38,651 81,006	700.416	306,727 547,722	204,150	62,281 131,555	2.472.480	154,572 145,235	1,802,188	1,213,576 1,947,423	(391,196) (670,292)	(525,057)
6 003625	Texas State University - San Marcos Sul Ross State University	69,621	162,940	40.692	18,462	10.600	2,192	93.445	66,000	19.292	16,837	2,472,480	145,235	266,431	266,431	32,782	32,782
6 000020	Sul Ross State University Sul Ross State University Rio Grande	21,863	38,498	20,186	0	1,474	2,192	15,872	16,119	5,345	689	64,740	0	55,306	55,306	(9,434)	(9,434)
4 003644	Texas Tech University	1,317,168	943,149	525.984	372.822	256.985	476.368	940.381	870,676	273.647	232.392	3.314.165	106.493	2.895.407	3.001.900	(418.758)	(312,265)
7 003646	Texas Woman's University	420.291	375.667	181.014	100.392	25.920	37.768	364.327	258,216	89.240	82,431	1.080.791	26.541	854.474	881.015	(226.317)	(199,776)
1 003656	University of Texas at Arlington	912.637	786.654	301.752	191,448	225.079	224.036	695.075	620,089	192,109	124,859	2.326.652	137.624	1,947,086	2,084,710	(379,566)	(241,942)
1 003658	University of Texas at Austin	2,020,567	1,992,017	1.024.778	1,107,510	2.296.396	1,375,082	3,411,641	2.546.531	787.804	955,244	9,541,186	702,642	7,976,384	8,679,026	(1,564,802)	(862,160)
1 030646	University of Texas at Brownsville*	154,789	130,040	67,581	3,100	27,083	3,617	200,849	62,524	40,527	1,915	490,829	33,576	201,196	234,772	(289,633)	(256,057)
1 009741	University of Texas at Dallas	538,666	282,947	206,059	123,392	246,098	199,515	526,798	430,737	136,586	88,862	1,654,208	78,200	1,125,453	1,203,653	(528,755)	(450,555)
1 003661	University of Texas at El Paso	736,938	538,491	246,369	200,768	204,380	157,023	524,632	469,968	154,109	99,016	1,866,429	199,875	1,465,266	1,665,141	(401,163)	(201,288)
1 003599	University of Texas-Pan American	690,120	449,743	184,523	91,578	39,392	59,364	410,445	339,845	119,203	173,786	1,443,684	0	1,114,316	1,114,316	(329,368)	(329,368)
1 009930	University of Texas of the Permian Basin	119,427	102,004	52,767	41,860	12,849	11,142	81,691	60,348	24,006	25,286	290,741	105,594	240,640	346,234	(50,101)	55,493
1 010115	University of Texas at San Antonio	1,083,957	545,887	310,319	124,881	155,182	182,936	658,883	486,361	198,751	58,756	2,407,091	88,979	1,398,821	1,487,800	(1,008,270)	(919,291)
1 011163	University of Texas at Tyler	240,567	210,676	92,745	36,322	13,883	17,843	154,995	119,456	45,197	19,281	547,387	10,699	403,578	414,277	(143,809)	(133,110)
3 003652	University of Houston	1,404,501	983,711	560,316	346,035	434,493	393,451	1,209,985	935,309	324,837	247,375	3,934,132	72,531	2,905,881	2,978,412	(1,028,251)	(955,720)
3 011711	University of Houston-Clear Lake	207,802	166,504	89,767	89,994	13,786	15,125	195,791	172,193	45,643	46,146	552,789	31,600	489,962	521,562	(62,827)	(31,227)
3 012826	University of Houston-Downtown	387,711	195,960	97,593	58,838	23,215	5,584	208,548	179,212	64,536	76,890	781,602	0	516,484	516,484	(265,118)	(265,118)
3 013231	University of Houston-Victoria	72,602	25,739	38,307	13,520	5,190	561	72,844	41,489	17,005	12,840	205,948	130,750	94,149	224,899	(111,799)	18,951
5 003594	University of North Texas	1,329,759	870,915	449,177	223,833	79,448	177,876	798,176	653,644	239,090	173,201	2,895,651	131,720	2,099,469	2,231,189	(796,182)	(664,462)
8 009225	Texas State Technical College-Harlingen	207,180	302,172	40,576	24,030	9,618	874	88,962	86,132	31,170	39,327	377,506	0	452,535	452,535	75,029	75,029
8 009932	Texas State Technical College West Texas	81,645	202,858	14,124	10,265	3,348	0	49,877	62,743	13,409	15,488	162,403	0	291,354	291,354	128,951	128,951
8 003634	Texas State Technical College-Waco	311,385	494,609	45,360	18,443	10,752	5,118	113,032	115,378	43,248	16,979	523,776	0	650,527	650,527	126,751	126,751
8 033965	Texas State Tech Col - Marshall	40,125	54,257	6,720	10,349	1,593	0	17,448	21,248	5,930	6,600	71,816	0	92,454	92,454	20,638	20,638
6 023582	Lamar University-Orange	82,950	74,619	17,010	14,797	4,032	0	32,616	27,879	12,295	12,576	148,903	0	129,871	129,871	(19,032)	(19,032)
6 023485	Lamar University-Port Arthur	91,860	116,453	17,858	13,262	4,233	0	41,800	30,481	14,018	10,706	169,768	0	170,902	170,902	1,134	1,134
6 036273	Lamar Institute of Technology ** Total	156,165 20,693,268	89,662 17,321,826	28,401 7,291,891	907 5,281,818	6,732 5,508,203	4,633,767	48,004 16,767,197	28,491 13,550,120	21,537 4,523,450	1,616 3,910,751	260,839 54,784,010	2,969,526	120,676 44,698,282	120,676 47,667,808	(140,163) (10,085,729)	(6,828,123)
	lotai	20,093,268	17,321,026	1,291,091	J,∠01,018	5,506,203	4,033,767	10,/0/,19/	13,330,120	4,323,450	3,910,751	34,704,010	2,909,526	44,090,282	47,007,008	(10,000,729)	(0,020,123)

** Lamar University and Lamar Institute of Technology space for Library and Support adjusted per letter of agreement dated November 11, 2005		Teaching Space		Library Space		Research Space		Office Space		Support Space			=			Fall 2008	Fall 2008	
		Pred	Actual	Adjusted Predicted	Actual	Pred	Actual	Pred	Actual	Adjusted Predicted	Actual		E&G Approved - Not Online	Total Actual	Adjusted Actual	Unadjusted Surplus / Deficit	Adjusted Surplus/ Deficit	
	036273	Lamar Institute of Technology	156,165	89,662	5,689	907	6,732	0	48,004	28,491	12,952	1,616	229,542	0	120,676	120,676	(108,866)	(108,866)
	003581	Lamar University	440,520	360,215	162,548	114,766	26,877	33,508	245,517	207,313	85,333	54,392	960,795	11,387	770,194	781,581	(190,601)	(179,214)

^{*} Actual data for University of Texas-Brownsville excludes leased space.

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^{*} Military Science credit hours were included in program area 3.

^{*}This Model's Surplus/Deficit is used in the Higher Education Assistance Fund Model and the Project Application Approval Process
*This Model's Predicted Space is used in Infrastructure Formula Funding and Sources & Uses Report