

Texas Department of Housing and Community Affairs - 2013 RAF Subtraction Model

Table 1 - Raw Data

Region (MSA Counties)	People at 200% Poverty	Households at 200% Poverty	Percent of statewide 200% poverty	Cost Burden, Renters	Burden percent of statewide burden	Overcrowded Renters	Overcrowd Renters, % of total	Vacancies, Rental	Percent of statewide vancancy
1	197,083	70,893	2.2%	34,134	2.5%	3,732	1.7%	7,317	2.10%
2	107,155	38,545	1.2%	17,649	1.3%	1,680	0.7%	4,467	1.28%
3	1,995,573	717,832	22.3%	378,790	28.1%	57,107	25.3%	103,640	29.73%
4	184,785	66,469	2.1%	24,738	1.8%	3,084	1.4%	3,692	1.06%
5	145,209	52,233	1.6%	17,665	1.3%	2,081	0.9%	3,740	1.07%
6	1,959,263	704,771	21.9%	327,333	24.3%	67,231	29.8%	104,089	29.86%
7	486,104	174,858	5.4%	119,548	8.9%	14,330	6.4%	18,889	5.42%
8	335,779	120,784	3.7%	59,852	4.4%	5,353	2.4%	17,275	4.96%
9	739,878	266,143	8.3%	110,578	8.2%	14,610	6.5%	27,784	7.97%
10	209,455	75,344	2.3%	33,394	2.5%	4,885	2.2%	7,699	2.21%
11	834,165	300,059	9.3%	56,907	4.2%	22,226	9.9%	11,795	3.38%
12	134,615	48,423	1.5%	17,406	1.3%	1,837	0.8%	4,141	1.19%
13	401,674	144,487	4.5%	41,999	3.1%	7,986	3.5%	7,903	2.27%

Region (Non-MSA Counties)	People at 200% Poverty	Households at 200% Poverty	Percent of statewide 200% poverty	Cost Burden, Renters	Burden percent of statewide	Overcrowded Renters	Overcrowd Renters, % of total	Vacancies, Rental	Percent of statewide vancancy
1	122,109	43,924	1.4%	9,348	0.7%	2,094	0.9%	2,762	0.8%
2	94,601	34,029	1.1%	8,281	0.6%	1,104	0.5%	2,401	0.7%
3	86,260	31,029	1.0%	10,771	0.8%	1,527	0.7%	1,813	0.5%
4	213,083	76,649	2.4%	17,243	1.3%	2,795	1.2%	4,136	1.2%
5	152,551	54,874	1.7%	15,256	1.1%	2,123	0.9%	3,449	1.0%
6	59,244	21,311	0.7%	8,512	0.6%	1,099	0.5%	2,040	0.6%
7	37,999	13,669	0.4%	3,757	0.3%	605	0.3%	1,292	0.4%
8	93,928	33,787	1.0%	7,502	0.6%	1,039	0.5%	1,606	0.5%
9	34,823	12,526	0.4%	3,999	0.3%	935	0.4%	782	0.2%
10	87,618	31,517	1.0%	6,819	0.5%	1,990	0.9%	2,506	0.7%
11	161,792	58,199	1.8%	8,791	0.7%	2,902	1.3%	2,115	0.6%
12	70,228	25,262	0.8%	4,816	0.4%	1,066	0.5%	1,028	0.3%
13	12,311	4,428	0.1%	866	0.1%	215	0.1%	213	0.1%
Total for State	8,957,285	3,222,045		1,345,954		225,636		348,574	

Texas Department of Housing and Community Affairs - 2013 RAF Subtraction Model

Table 2 - Weighted Variables

Sample RAF \$ 40,000,000.00

MSA regions	Total of 200% poverty, rent burden, and overcrowding	Vacancies subtracted from Need Factors-	% of statewide need and availability	100% Weight
1	108,759	101,442	2.3%	\$ 912,853
2	57,874	53,407	1.2%	\$ 480,596
3	1,153,729	1,050,089	23.6%	\$ 9,449,490
4	94,291	90,599	2.0%	\$ 815,282
5	71,979	68,239	1.5%	\$ 614,070
6	1,099,335	995,246	22.4%	\$ 8,955,970
7	308,736	289,847	6.5%	\$ 2,608,257
8	185,989	168,714	3.8%	\$ 1,518,214
9	391,331	363,547	8.2%	\$ 3,271,471
10	113,623	105,924	2.4%	\$ 953,180
11	379,192	367,397	8.3%	\$ 3,306,118
12	67,666	63,525	1.4%	\$ 571,643
13	194,472	186,569	4.2%	\$ 1,678,889
Sub-region MSA Total	4,226,976	3,904,545	87.8%	\$ 35,136,031

Non-MSA regions	All Need factors added		% of statewide burden	
1	55,366	52,604	1.2%	\$ 473,371
2	43,414	41,013	0.9%	\$ 369,067
3	43,327	41,514	0.9%	\$ 373,572
4	96,687	92,551	2.1%	\$ 832,840
5	72,253	68,804	1.5%	\$ 619,154
6	30,922	28,882	0.6%	\$ 259,900
7	18,031	16,739	0.4%	\$ 150,627
8	42,328	40,722	0.9%	\$ 366,448
9	17,460	16,678	0.4%	\$ 150,084
10	40,326	37,820	0.9%	\$ 340,335
11	69,892	67,777	1.5%	\$ 609,904
12	31,144	30,116	0.7%	\$ 271,005
13	5,509	5,296	0.1%	\$ 47,661
Sub-region non-MSA	566,659	540,516	12.2%	\$ 4,863,969
Statewide Total	4,793,635	4,445,061	100.0%	\$ 40,000,000

Texas Department of Housing and Community Affairs - 2013 RAF Subtraction Model

Table 3 - \$500,000 Adjustment

Sample RAF \$ 40,000,000.00

MSA regions	Sub-region amount	Amount needed to reach \$500,000	Amount over \$500,000 that can be reallocated	Proportion of amount available to be reallocated	Amount to be reallocated	Final Sub-Amount	% of total funding
1	\$ 912,853	\$ -	\$ 412,853	1%	\$ (31,331.83)	\$ 881,521	2.20%
2	\$ 480,596	\$ 19,404	\$ -	0%	\$ 19,403.99	\$ 500,000	1.25%
3	\$ 9,449,490	\$ -	\$ 8,949,490	31%	\$ (679,185.98)	\$ 8,770,304	21.93%
4	\$ 815,282	\$ -	\$ 315,282	1%	\$ (23,927.05)	\$ 791,355	1.98%
5	\$ 614,070	\$ -	\$ 114,070	0%	\$ (8,656.88)	\$ 605,413	1.51%
6	\$ 8,955,970	\$ -	\$ 8,455,970	29%	\$ (641,732.25)	\$ 8,314,238	20.79%
7	\$ 2,608,257	\$ -	\$ 2,108,257	7%	\$ (159,997.79)	\$ 2,448,259	6.12%
8	\$ 1,518,214	\$ -	\$ 1,018,214	3%	\$ (77,273.28)	\$ 1,440,940	3.60%
9	\$ 3,271,471	\$ -	\$ 2,771,471	9%	\$ (210,329.75)	\$ 3,061,141	7.65%
10	\$ 953,180	\$ -	\$ 453,180	2%	\$ (34,392.26)	\$ 918,787	2.30%
11	\$ 3,306,118	\$ -	\$ 2,806,118	10%	\$ (212,959.13)	\$ 3,093,158	7.73%
12	\$ 571,643	\$ -	\$ 71,643	0%	\$ (5,437.03)	\$ 566,206	1.42%
13	\$ 1,678,889	\$ -	\$ 1,178,889	4%	\$ (89,467.06)	\$ 1,589,422	3.97%
Sub-region MSA Total	\$ 35,136,031	\$ 19,404	\$ 28,655,435	98%	\$ (2,155,286)	\$ 32,980,745	82%

Non-MSA regions	Sub-region amount	Amount needed to reach \$500,000	Amount over \$500,000 that can be reallocated	Proportion of amount available to be reallocated	Amount to be reallocated	Final Sub-Amount	% of Total
1	\$ 473,371	\$ 26,629	\$ -	0%	\$ 26,628.76	\$ 500,000	1.25%
2	\$ 369,067	\$ 130,933	\$ -	0%	\$ 130,932.97	\$ 500,000	1.25%
3	\$ 373,572	\$ 126,428	\$ -	0%	\$ 126,427.83	\$ 500,000	1.25%
4	\$ 832,840	\$ -	\$ 332,840	1%	\$ (25,259.53)	\$ 807,580	2.02%
5	\$ 619,154	\$ -	\$ 119,154	0%	\$ (9,042.74)	\$ 610,112	1.53%
6	\$ 259,900	\$ 240,100	\$ -	0%	\$ 240,099.93	\$ 500,000	1.25%
7	\$ 150,627	\$ 349,373	\$ -	0%	\$ 349,372.55	\$ 500,000	1.25%
8	\$ 366,448	\$ 133,552	\$ -	0%	\$ 133,552.38	\$ 500,000	1.25%
9	\$ 150,084	\$ 349,916	\$ -	0%	\$ 349,916.49	\$ 500,000	1.25%
10	\$ 340,335	\$ 159,665	\$ -	0%	\$ 159,664.81	\$ 500,000	1.25%
11	\$ 609,904	\$ -	\$ 109,904	0%	\$ (8,340.76)	\$ 601,564	1.50%
12	\$ 271,005	\$ 228,995	\$ -	0%	\$ 228,994.76	\$ 500,000	1.25%
13	\$ 47,661	\$ 452,339	\$ -	0%	\$ 452,338.86	\$ 500,000	1.25%
Sub-region Non-MSA Total	\$ 4,863,969	\$ 2,197,929	\$ 561,898	2%	\$ 2,155,286	\$ 7,019,255	18%

Minimum needed for each region	\$ 500,000
Total if each subregion has \$500,000	\$ 13,000,000
Amount available to be reallocated	\$ 29,217,333
Amount needed to bring underallocated regions to \$500,000	\$ 2,217,333