

Texas Department of Housing and Community Affairs - 2013 HTC RAF Equal Weights Model

Table 1 - Raw Data

Region (MSA Counties)	People 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	2.2%	34,134	2.5%	3,732	1.7%	7,317	2.10%
2	107,155	1.2%	17,649	1.3%	1,680	0.7%	4,467	1.28%
3	1,995,573	22.3%	378,790	28.1%	57,107	25.3%	103,640	29.73%
4	184,785	2.1%	24,738	1.8%	3,084	1.4%	3,692	1.06%
5	145,209	1.6%	17,665	1.3%	2,081	0.9%	3,740	1.07%
6	1,959,263	21.9%	327,333	24.3%	67,231	29.8%	104,089	29.86%
7	486,104	5.4%	119,548	8.9%	14,330	6.4%	18,889	5.42%
8	335,779	3.7%	59,852	4.4%	5,353	2.4%	17,275	4.96%
9	739,878	8.3%	110,578	8.2%	14,610	6.5%	27,784	7.97%
10	209,455	2.3%	33,394	2.5%	4,885	2.2%	7,699	2.21%
11	834,165	9.3%	56,907	4.2%	22,226	9.9%	11,795	3.38%
12	134,615	1.5%	17,406	1.3%	1,837	0.8%	4,141	1.19%
13	401,674	4.5%	41,999	3.1%	7,986	3.5%	7,903	2.27%
Region (Non-MSA Counties)	People 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	122,109	1.4%	9,348	0.7%	2,094	0.9%	2,762	0.8%
2	94,601	1.1%	8,281	0.6%	1,104	0.5%	2,401	0.7%
3	86,260	1.0%	10,771	0.8%	1,527	0.7%	1,813	0.5%
4	213,083	2.4%	17,243	1.3%	2,795	1.2%	4,136	1.2%
5	152,551	1.7%	15,256	1.1%	2,123	0.9%	3,449	1.0%
6	59,244	0.7%	8,512	0.6%	1,099	0.5%	2,040	0.6%
7	37,999	0.4%	3,757	0.3%	605	0.3%	1,292	0.4%
8	93,928	1.0%	7,502	0.6%	1,039	0.5%	1,606	0.5%
9	34,823	0.4%	3,999	0.3%	935	0.4%	782	0.2%
10	87,618	1.0%	6,819	0.5%	1,990	0.9%	2,506	0.7%
11	161,792	1.8%	8,791	0.7%	2,902	1.3%	2,115	0.6%
12	70,228	0.8%	4,816	0.4%	1,066	0.5%	1,028	0.3%
13	12,311	0.1%	866	0.1%	215	0.1%	213	0.1%
Total for State	8,957,285		1,345,954		225,636		348,574	

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Table 2 - Weighted Variables

Sample RAF \$ 40,000,000.00

MSA regions	% of statewide 200% poverty	50% Weight	% of statewide burden	50% Weight	% of statewide overcrowding	50% Weight	% of statewide vacancy	-50.00%	Sub-region amount
1	2.2%	\$ 440,051	2.5%	\$ 507,209	1.7%	\$ 330,798	2.1%	\$ (419,825)	\$ 858,233
2	1.2%	\$ 239,258	1.3%	\$ 262,253	0.7%	\$ 148,912	1.3%	\$ (256,301)	\$ 394,121
3	22.3%	\$ 4,455,754	28.1%	\$ 5,628,573	25.3%	\$ 5,061,870	29.7%	\$ (5,946,514)	\$ 9,199,683
4	2.1%	\$ 412,592	1.8%	\$ 367,591	1.4%	\$ 273,361	1.1%	\$ (211,835)	\$ 841,708
5	1.6%	\$ 324,225	1.3%	\$ 262,490	0.9%	\$ 184,456	1.1%	\$ (214,589)	\$ 556,584
6	21.9%	\$ 4,374,680	24.3%	\$ 4,863,955	29.8%	\$ 5,959,244	29.9%	\$ (5,972,276)	\$ 9,225,604
7	5.4%	\$ 1,085,382	8.9%	\$ 1,776,405	6.4%	\$ 1,270,187	5.4%	\$ (1,083,787)	\$ 3,048,188
8	3.7%	\$ 749,734	4.4%	\$ 889,362	2.4%	\$ 474,481	5.0%	\$ (991,181)	\$ 1,122,395
9	8.3%	\$ 1,652,014	8.2%	\$ 1,643,117	6.5%	\$ 1,295,006	8.0%	\$ (1,594,152)	\$ 2,995,985
10	2.3%	\$ 467,675	2.5%	\$ 496,213	2.2%	\$ 432,998	2.2%	\$ (441,743)	\$ 955,144
11	9.3%	\$ 1,862,540	4.2%	\$ 845,601	9.9%	\$ 1,970,076	3.4%	\$ (676,757)	\$ 4,001,459
12	1.5%	\$ 300,571	1.3%	\$ 258,642	0.8%	\$ 162,829	1.2%	\$ (237,597)	\$ 484,445
13	4.5%	\$ 896,866	3.1%	\$ 624,078	3.5%	\$ 707,866	2.3%	\$ (453,447)	\$ 1,775,362
Sub-region MSA Total	86.3%	\$ 17,261,342	92.1%	\$ 18,425,489	91.4%	\$ 18,272,084	92.5%	\$ (18,500,003)	\$ 35,458,912

Non-MSA regions	% of statewide 200% poverty	50% Weight	% of statewide burden	50% Weight	% of statewide overcrowding	50% Weight	% of statewide vacancy	-50.00%	Sub-region amount
1	1.4%	\$ 272,647	0.7%	\$ 138,905	0.9%	\$ 185,609	0.8%	\$ (158,474)	\$ 438,687
2	1.1%	\$ 211,227	0.6%	\$ 123,050	0.5%	\$ 97,857	0.7%	\$ (137,761)	\$ 294,373
3	1.0%	\$ 192,603	0.8%	\$ 160,050	0.7%	\$ 135,351	0.5%	\$ (104,024)	\$ 383,980
4	2.4%	\$ 475,776	1.3%	\$ 256,220	1.2%	\$ 247,744	1.2%	\$ (237,310)	\$ 742,430
5	1.7%	\$ 340,619	1.1%	\$ 226,694	0.9%	\$ 188,179	1.0%	\$ (197,892)	\$ 557,600
6	0.7%	\$ 132,281	0.6%	\$ 126,483	0.5%	\$ 97,414	0.6%	\$ (117,048)	\$ 239,129
7	0.4%	\$ 84,845	0.3%	\$ 55,827	0.3%	\$ 53,626	0.4%	\$ (74,131)	\$ 120,167
8	1.0%	\$ 209,724	0.6%	\$ 111,475	0.5%	\$ 92,095	0.5%	\$ (92,147)	\$ 321,147
9	0.4%	\$ 77,753	0.3%	\$ 59,423	0.4%	\$ 82,877	0.2%	\$ (44,869)	\$ 175,184
10	1.0%	\$ 195,635	0.5%	\$ 101,326	0.9%	\$ 176,390	0.7%	\$ (143,786)	\$ 329,566
11	1.8%	\$ 361,252	0.7%	\$ 130,629	1.3%	\$ 257,228	0.6%	\$ (121,352)	\$ 627,758
12	0.8%	\$ 156,806	0.4%	\$ 71,563	0.5%	\$ 94,488	0.3%	\$ (58,983)	\$ 263,874
13	0.1%	\$ 27,488	0.1%	\$ 12,868	0.1%	\$ 19,057	0.1%	\$ (12,221)	\$ 47,192
Sub-region non-MSA	13.7%	\$ 2,738,658	7.9%	\$ 1,574,511	8.6%	\$ 1,727,916	7.5%	\$ (1,499,997)	\$ 4,541,088
Statewide Total	100.0%	\$ 20,000,000	100.0%	\$ 20,000,000	100.0%	\$ 20,000,000	100.0%	\$ (20,000,000)	\$ 40,000,000

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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	\$ 858,233	\$ -	\$ 358,233	1%	\$ (30,449.13)	\$ 827,784	2.07%
2	\$ 394,121	\$ 105,879	\$ -	0%	\$ 105,878.57	\$ 500,000	1.25%
3	\$ 9,199,683	\$ -	\$ 8,699,683	29%	\$ (739,456.06)	\$ 8,460,227	21.15%
4	\$ 841,708	\$ -	\$ 341,708	1%	\$ (29,044.53)	\$ 812,664	2.03%
5	\$ 556,584	\$ -	\$ 56,584	0%	\$ (4,809.50)	\$ 551,774	1.38%
6	\$ 9,225,604	\$ -	\$ 8,725,604	30%	\$ (741,659.32)	\$ 8,483,945	21.21%
7	\$ 3,048,188	\$ -	\$ 2,548,188	9%	\$ (216,591.02)	\$ 2,831,597	7.08%
8	\$ 1,122,395	\$ -	\$ 622,395	2%	\$ (52,902.40)	\$ 1,069,493	2.67%
9	\$ 2,995,985	\$ -	\$ 2,495,985	8%	\$ (212,153.85)	\$ 2,783,831	6.96%
10	\$ 955,144	\$ -	\$ 455,144	2%	\$ (38,686.34)	\$ 916,458	2.29%
11	\$ 4,001,459	\$ -	\$ 3,501,459	12%	\$ (297,617.19)	\$ 3,703,842	9.26%
12	\$ 484,445	\$ 15,555	\$ -	0%	\$ 15,555.17	\$ 500,000	1.25%
13	\$ 1,775,362	\$ -	\$ 1,275,362	4%	\$ (108,403.24)	\$ 1,666,958	4.17%
Sub-region MSA Total	\$ 35,458,912	\$ 121,434	\$ 29,080,346	99%	\$ (2,350,339)	\$ 33,108,573	83%

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	\$ 438,687	\$ 61,313	\$ -	0%	\$ 61,313.02	\$ 500,000	1.25%
2	\$ 294,373	\$ 205,627	\$ -	0%	\$ 205,627.34	\$ 500,000	1.25%
3	\$ 383,980	\$ 116,020	\$ -	0%	\$ 116,020.03	\$ 500,000	1.25%
4	\$ 742,430	\$ -	\$ 242,430	1%	\$ (20,606.08)	\$ 721,824	1.80%
5	\$ 557,600	\$ -	\$ 57,600	0%	\$ (4,895.91)	\$ 552,704	1.38%
6	\$ 239,129	\$ 260,871	\$ -	0%	\$ 260,870.85	\$ 500,000	1.25%
7	\$ 120,167	\$ 379,833	\$ -	0%	\$ 379,832.93	\$ 500,000	1.25%
8	\$ 321,147	\$ 178,853	\$ -	0%	\$ 178,852.53	\$ 500,000	1.25%
9	\$ 175,184	\$ 324,816	\$ -	0%	\$ 324,815.67	\$ 500,000	1.25%
10	\$ 329,566	\$ 170,434	\$ -	0%	\$ 170,434.46	\$ 500,000	1.25%
11	\$ 627,758	\$ -	\$ 127,758	0%	\$ (10,859.16)	\$ 616,899	1.54%
12	\$ 263,874	\$ 236,126	\$ -	0%	\$ 236,125.64	\$ 500,000	1.25%
13	\$ 47,192	\$ 452,808	\$ -	0%	\$ 452,807.54	\$ 500,000	1.25%
Sub-region Non-MSA Total	\$ 4,541,088	\$ 2,386,700	\$ 427,788	1%	\$ 2,350,339	\$ 6,891,427	17%
Statewide T	\$ 40,000,000	\$ 2,508,134	\$ 29,508,134	100%	\$ 40,000,000	\$ 40,000,000	100.00%

Minimum needed	\$ 500,000
Total if each	\$ 13,000,000
Amount available to be reallocated	\$ 29,508,134
Amount needed to bring underallocated regions to \$500,000	\$ 2,508,134