

Texas Department of Housing and Community Affairs
2013 Test RAF based on population

Region (MSA Counties)	Total Population
1	521,316
2	314,045
3	6,268,128
4	510,266
5	410,442
6	5,683,454
7	1,627,571
8	866,952
9	2,057,782
10	537,811
11	1,370,885
12	374,791
13	772,280

Region (Non-MSA Counties)	Total Population
1	306,933
2	233,067
3	242,649
4	549,011
5	348,259
6	164,787
7	111,966
8	246,898
9	104,859
10	216,429
11	264,582
12	187,958
13	24,935
Total	24,318,056

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Sample RAF \$ 40,000,000.00

MSA regions	Total Population	Percentage of total population	100% Weight	Sub-region amount
1	521,316	2.1%	\$ 857,496	\$ 857,496
2	314,045	1.3%	\$ 516,563	\$ 516,563
3	6,268,128	25.8%	\$ 10,310,245	\$ 10,310,245
4	510,266	2.1%	\$ 839,320	\$ 839,320
5	410,442	1.7%	\$ 675,123	\$ 675,123
6	5,683,454	23.4%	\$ 9,348,533	\$ 9,348,533
7	1,627,571	6.7%	\$ 2,677,140	\$ 2,677,140
8	866,952	3.6%	\$ 1,426,022	\$ 1,426,022
9	2,057,782	8.5%	\$ 3,384,780	\$ 3,384,780
10	537,811	2.2%	\$ 884,628	\$ 884,628
11	1,370,885	5.6%	\$ 2,254,925	\$ 2,254,925
12	374,791	1.5%	\$ 616,482	\$ 616,482
13	772,280	3.2%	\$ 1,270,299	\$ 1,270,299
Sub-region total	21,315,723			

Non-MSA regions	Total Population	Percentage of total population	100% Weight	Sub-region amount
1	306,933	1.3%	\$ 504,864	\$ 504,864
2	233,067	1.0%	\$ 383,365	\$ 383,365
3	242,649	1.0%	\$ 399,126	\$ 399,126
4	549,011	2.3%	\$ 903,051	\$ 903,051
5	348,259	1.4%	\$ 572,840	\$ 572,840
6	164,787	0.7%	\$ 271,053	\$ 271,053
7	111,966	0.5%	\$ 184,169	\$ 184,169
8	246,898	1.0%	\$ 406,115	\$ 406,115
9	104,859	0.4%	\$ 172,479	\$ 172,479
10	216,429	0.9%	\$ 355,997	\$ 355,997
11	264,582	1.1%	\$ 435,203	\$ 435,203
12	187,958	0.8%	\$ 309,166	\$ 309,166
13	24,935	0.1%	\$ 41,015	\$ 41,015
Sub-region total	3,002,333			
Total	24,318,056		\$ 40,000,000	\$ 40,000,000

Sample
RAF \$ 40,000,000.00

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2013 Test RAF_population

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 based on population	Pro-portion of allocation	2012 RAF allocation based on \$40,000,000	Difference Between Population and 2012 RAF	Final Sub-Amount based on Compounded Need	Difference between Population and Compounded Need
1	\$ 857,496	\$ -	\$ 357,496	1%	\$ (25,139.84)	\$ 832,356	2.08%	\$ 940,460	\$ (108,103)	\$ 912,253	\$ (79,897)
2	\$ 516,563	\$ -	\$ 16,563	0%	\$ (1,164.72)	\$ 515,398	1.29%	\$ 500,000	\$ 15,398	\$ 500,000	\$ 15,398
3	\$ 10,310,245	\$ -	\$ 9,810,245	34%	\$ (689,875.86)	\$ 9,620,369	24.05%	\$ 7,092,539	\$ 2,527,830	\$ 7,966,165	\$ 1,654,204
4	\$ 839,320	\$ -	\$ 339,320	1%	\$ (23,861.68)	\$ 815,459	2.04%	\$ 578,780	\$ 236,679	\$ 937,401	\$ (121,943)
5	\$ 675,123	\$ -	\$ 175,123	1%	\$ (12,315.00)	\$ 662,808	1.66%	\$ 500,000	\$ 162,808	\$ 673,985	\$ (11,177)
6	\$ 9,348,533	\$ -	\$ 8,848,533	30%	\$ (622,246.38)	\$ 8,726,287	21.82%	\$ 9,557,007	\$ (830,720)	\$ 7,306,192	\$ 1,420,095
7	\$ 2,677,140	\$ -	\$ 2,177,140	7%	\$ (153,100.79)	\$ 2,524,039	6.31%	\$ 2,807,111	\$ (283,072)	\$ 2,629,909	\$ (105,870)
8	\$ 1,426,022	\$ -	\$ 926,022	3%	\$ (65,119.69)	\$ 1,360,902	3.40%	\$ 2,054,727	\$ (693,825)	\$ 1,281,413	\$ 79,490
9	\$ 3,384,780	\$ -	\$ 2,884,780	10%	\$ (202,863.47)	\$ 3,181,917	7.95%	\$ 1,328,661	\$ 1,853,256	\$ 3,118,773	\$ 63,144
10	\$ 884,628	\$ -	\$ 384,628	1%	\$ (27,047.82)	\$ 857,580	2.14%	\$ 1,139,472	\$ (281,892)	\$ 948,636	\$ (91,055)
11	\$ 2,254,925	\$ -	\$ 1,754,925	6%	\$ (123,409.82)	\$ 2,131,515	5.33%	\$ 3,419,239	\$ (1,287,723)	\$ 3,833,815	\$ (1,702,299)
12	\$ 616,482	\$ -	\$ 116,482	0%	\$ (8,191.23)	\$ 608,291	1.52%	\$ 500,000	\$ 108,291	\$ 602,062	\$ 6,229
13	\$ 1,270,299	\$ -	\$ 770,299	3%	\$ (54,168.94)	\$ 1,216,130	3.04%	\$ 1,133,983	\$ 82,147	\$ 1,882,893	\$ (666,763)
MSA Subtotal						\$ 33,053,052	82.63%	\$ 31,551,978	\$ 1,501,074	\$ 32,593,497	\$ 459,555

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 based on population	Pro-portion of allocation	2012 RAF allocation based on \$40,000,000	Difference Between Population and 2012 RAF	Final Sub-Amount based on Compounded Need	Difference between Population and Compounded Need
1	\$ 504,864	\$ -	\$ 4,864	0%	\$ (342.07)	\$ 504,522	1.26%	\$ 640,137	\$ (135,614)	\$ 532,180	\$ (27,658)
2	\$ 383,365	\$ 116,635	\$ -	0%	\$ 116,635.47	\$ 500,000	1.25%	\$ 500,000	\$ -	\$ 500,000	\$ -
3	\$ 399,126	\$ 100,874	\$ -	0%	\$ 100,874.35	\$ 500,000	1.25%	\$ 697,545	\$ (197,545)	\$ 500,000	\$ -
4	\$ 903,051	\$ -	\$ 403,051	1%	\$ (28,343.33)	\$ 874,707	2.19%	\$ 1,035,143	\$ (160,436)	\$ 944,867	\$ (70,160)
5	\$ 572,840	\$ -	\$ 72,840	0%	\$ (5,122.27)	\$ 567,718	1.42%	\$ 500,000	\$ 67,718	\$ 692,785	\$ (125,067)
6	\$ 271,053	\$ 228,947	\$ -	0%	\$ 228,947.08	\$ 500,000	1.25%	\$ 567,946	\$ (67,946)	\$ 500,000	\$ -
7	\$ 184,169	\$ 315,831	\$ -	0%	\$ 315,830.67	\$ 500,000	1.25%	\$ 500,000	\$ -	\$ 500,000	\$ -
8	\$ 406,115	\$ 93,885	\$ -	0%	\$ 93,885.30	\$ 500,000	1.25%	\$ 500,000	\$ -	\$ 500,000	\$ -
9	\$ 172,479	\$ 327,521	\$ -	0%	\$ 327,520.75	\$ 500,000	1.25%	\$ 500,000	\$ -	\$ 500,000	\$ -
10	\$ 355,997	\$ 144,003	\$ -	0%	\$ 144,002.79	\$ 500,000	1.25%	\$ 500,000	\$ -	\$ 500,000	\$ -
11	\$ 435,203	\$ 64,797	\$ -	0%	\$ 64,797.45	\$ 500,000	1.25%	\$ 1,507,251	\$ (1,007,251)	\$ 736,670	\$ (236,670)
12	\$ 309,166	\$ 190,834	\$ -	0%	\$ 190,833.84	\$ 500,000	1.25%	\$ 500,000	\$ -	\$ 500,000	\$ -
13	\$ 41,015	\$ 458,985	\$ -	0%	\$ 458,985.21	\$ 500,000	1.25%	\$ 500,000	\$ -	\$ 500,000	\$ -
Non-MSA sub-total	\$ 40,000,000			100%	\$ (2,042,312.92)	\$ 6,946,948	17.37%	\$ 8,448,022	\$ (1,501,074)	\$ 7,406,503	\$ (459,555)
Total		\$ 2,042,313	\$ 29,042,313			\$ 40,000,000		\$ 40,000,000		\$ 40,000,000	

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2013 Test RAF_population

Final Sub-Amount based on Equal Weights	Difference between Population and Equal Weights	Final Sub-Amount based on Subtraction Model	Difference between Population and Subtraction Model
\$ 827,784	\$ 4,572	\$ 881,521	\$ (49,165)
\$ 500,000	\$ 15,398	\$ 500,000	\$ 15,398
\$ 8,460,227	\$ 1,160,142	\$ 8,770,304	\$ 850,065
\$ 812,664	\$ 2,795	\$ 791,355	\$ 24,104
\$ 551,774	\$ 111,034	\$ 605,413	\$ 57,395
\$ 8,483,945	\$ 242,342	\$ 8,314,238	\$ 412,049
\$ 2,831,597	\$ (307,558)	\$ 2,448,259	\$ 75,780
\$ 1,069,493	\$ 291,409	\$ 1,440,940	\$ (80,038)
\$ 2,783,831	\$ 398,086	\$ 3,061,141	\$ 120,776
\$ 916,458	\$ (58,877)	\$ 918,787	\$ (61,207)
\$ 3,703,842	\$ (1,572,326)	\$ 3,093,158	\$ (961,643)
\$ 500,000	\$ 108,291	\$ 566,206	\$ 42,085
\$ 1,666,958	\$ (450,828)	\$ 1,589,422	\$ (373,292)
\$ 33,108,573	\$ (55,521)	\$ 32,980,745	\$ 72,307

Final Sub-Amount based on Equal Weights	Difference between Population and Equal Weights	Final Sub-Amount based on Subtraction Model	Difference between Population and Subtraction Model
\$ 500,000	\$ 4,522	\$ 500,000	\$ 4,522
\$ 500,000	\$ -	\$ 500,000	\$ -
\$ 500,000	\$ -	\$ 500,000	\$ -
\$ 721,824	\$ 152,884	\$ 807,580	\$ 67,127
\$ 552,704	\$ 15,014	\$ 610,112	\$ (42,394)
\$ 500,000	\$ -	\$ 500,000	\$ -
\$ 500,000	\$ -	\$ 500,000	\$ -
\$ 500,000	\$ -	\$ 500,000	\$ -
\$ 500,000	\$ -	\$ 500,000	\$ -
\$ 500,000	\$ -	\$ 500,000	\$ -
\$ 616,899	\$ (116,899)	\$ 601,564	\$ (101,564)
\$ 500,000	\$ -	\$ 500,000	\$ -
\$ 500,000	\$ -	\$ 500,000	\$ -
\$ 6,891,427	\$ 55,521	\$ 7,019,255	\$ (72,307)
\$ 40,000,000		\$ 40,000,000	

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Minimum needed for each region	\$	500,000
Total if each subregion has \$500,000		13000000
Amount available to be reallocated	\$	29,042,313
Amount needed to bring underallocated regions to \$500,0000	\$	2,042,313