

Texas Department of Housing and Community Affairs  
Example 2020 HTC Regional Allocation Formula

**Table 1 - Raw Data**

	Region	Individuals at or Below 200% Poverty	HH at or Below 200% Poverty	Cost-Burdened Renters	Overcrowded Renters	Vacant Units For Rent
MSA Counties with Urban Places	1	198,101	69,754	38,557	4,453	8,155
	2	100,682	35,451	17,840	1,448	4,356
	3	2,267,041	798,254	448,972	76,635	76,183
	4	185,875	65,449	27,875	2,426	5,770
	5	138,438	48,746	19,980	1,777	4,074
	6	2,198,617	774,161	404,982	72,179	78,106
	7	543,279	191,295	140,186	19,310	20,400
	8	337,568	118,862	67,250	6,148	14,420
	9	798,853	281,286	131,124	18,421	24,284
	10	199,067	70,094	33,332	5,664	6,278
	11	880,047	309,876	67,059	25,080	12,574
	12	126,306	44,474	20,885	4,295	4,254
	13	400,785	141,121	45,922	7,743	11,293
	Subtotal	8,374,659	2,948,824	1,463,964	245,579	270,147
Non-MSA Counties and Counties with Only Rural Places	1	123,473	43,476	9,479	2,425	3,290
	2	98,556	34,703	7,275	1,061	2,990
	3	92,052	32,413	11,329	1,632	2,475
	4	253,421	89,233	23,264	4,051	5,915
	5	155,723	54,832	17,262	2,197	3,442
	6	69,391	24,433	9,291	1,154	1,604
	7	37,734	13,287	3,779	628	868
	8	105,173	37,033	8,873	1,357	2,121
	9	74,659	26,288	6,473	1,488	1,429
	10	97,406	34,298	9,590	2,380	2,136
	11	151,279	53,267	8,593	3,280	2,846
	12	63,264	22,276	5,073	1,022	1,258
	13	12,643	4,452	1,040	206	454
	Subtotal	1,334,774	469,991	121,321	22,881	30,828
<b>Total</b>	<b>9,709,433</b>	<b>3,418,814</b>	<b>1,585,285</b>	<b>268,460</b>	<b>300,975</b>	

Texas Average HH Size: 2.84

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**Table 2 - Weights**

	Region	Total Need Variables	% of Total Need Variables	Weighted	Total Availability Variable	% of Total Availability Variable	Weighted	Initial Subregion Allocation	% of Total Award
MSA Counties with Urban Places	1	112,764	2.1%	\$ 2,085,226	8,155	2.7%	\$ (880,596)	\$ 1,204,629.53	1.85%
	2	54,739	1.0%	\$ 1,012,239	4,356	1.4%	\$ (470,371)	\$ 541,868.09	0.83%
	3	1,323,861	25.1%	\$ 24,480,793	76,183	25.3%	\$ (8,226,422)	\$ 16,254,370.35	25.01%
	4	95,750	1.8%	\$ 1,770,605	5,770	1.9%	\$ (623,058)	\$ 1,147,546.49	1.77%
	5	70,503	1.3%	\$ 1,303,735	4,074	1.4%	\$ (439,920)	\$ 863,814.79	1.33%
	6	1,251,322	23.7%	\$ 23,139,405	78,106	26.0%	\$ (8,434,073)	\$ 14,705,332.13	22.62%
	7	350,791	6.7%	\$ 6,486,824	20,400	6.8%	\$ (2,202,841)	\$ 4,283,982.97	6.59%
	8	192,260	3.6%	\$ 3,555,265	14,420	4.8%	\$ (1,557,106)	\$ 1,998,159.16	3.07%
	9	430,831	8.2%	\$ 7,966,918	24,284	8.1%	\$ (2,622,244)	\$ 5,344,673.61	8.22%
	10	109,090	2.1%	\$ 2,017,289	6,278	2.1%	\$ (677,913)	\$ 1,339,375.59	2.06%
	11	402,015	7.6%	\$ 7,434,043	12,574	4.2%	\$ (1,357,771)	\$ 6,076,272.44	9.35%
	12	69,654	1.3%	\$ 1,288,038	4,254	1.4%	\$ (459,357)	\$ 828,681.40	1.27%
	13	194,786	3.7%	\$ 3,601,985	11,293	3.8%	\$ (1,219,445)	\$ 2,382,540.18	3.67%
	Subtotal	4,658,367	88.4%	\$ 86,142,366	270,147	89.8%	\$ (29,171,119)	\$ 56,971,246.74	87.65%
Non-MSA Counties and Counties with Only Rural Places	1	55,380	1.1%	\$ 1,024,093	3,290	1.1%	\$ (355,262)	\$ 668,830.67	1.03%
	2	43,039	0.8%	\$ 795,872	2,990	1.0%	\$ (322,867)	\$ 473,005.07	0.73%
	3	45,374	0.9%	\$ 839,049	2,475	0.8%	\$ (267,256)	\$ 571,792.15	0.88%
	4	116,548	2.2%	\$ 2,155,197	5,915	2.0%	\$ (638,716)	\$ 1,516,481.35	2.33%
	5	74,291	1.4%	\$ 1,373,788	3,442	1.1%	\$ (371,675)	\$ 1,002,112.18	1.54%
	6	34,878	0.7%	\$ 644,971	1,604	0.5%	\$ (173,204)	\$ 471,767.44	0.73%
	7	17,694	0.3%	\$ 327,190	868	0.3%	\$ (93,729)	\$ 233,461.13	0.36%
	8	47,263	0.9%	\$ 873,981	2,121	0.7%	\$ (229,031)	\$ 644,950.54	0.99%
	9	34,249	0.6%	\$ 633,338	1,429	0.5%	\$ (154,307)	\$ 479,031.61	0.74%
	10	46,268	0.9%	\$ 855,584	2,136	0.7%	\$ (230,650)	\$ 624,933.90	0.96%
	11	65,140	1.2%	\$ 1,204,571	2,846	0.9%	\$ (307,318)	\$ 897,253.60	1.38%
	12	28,371	0.5%	\$ 524,637	1,258	0.4%	\$ (135,842)	\$ 388,794.82	0.60%
	13	5,698	0.1%	\$ 105,363	454	0.2%	\$ (49,024)	\$ 56,338.80	0.09%
	Subtotal	614,193	11.6%	\$ 11,357,634	30,828	10.2%	\$ (3,328,881)	\$ 8,028,753.26	12.35%
Total	5,272,559	100.0%	\$ 97,500,000	300,975	100%	\$ (32,500,000)	\$ 65,000,000.00	100.00%	

**Total Sample Allocation: \$65,000,000**  
Weight of Need Variables: 150%  
Weight of Availability Variables: -50%

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**Table 3 - Reallocation**

	Region	Initial Subregion Amount	Amount Needed to Reach Subregion Floor	Amount that can be Reallocated	% of Total Amount that can be Reallocated	Amount to be Reallocated	Final Subregion Allocation	% of Total Award
MSA Counties with Urban Places	1	\$ 1,204,629.53	\$ -	\$ 604,629.53	1.19%	\$ (18,784.30)	\$ 1,185,845.24	1.82%
	2	\$ 541,868.09	\$ 58,131.91	\$ -	0.00%	\$ 58,131.91	\$ 600,000.00	0.92%
	3	\$ 16,254,370.35	\$ -	\$ 15,654,370.35	30.70%	\$ (486,341.33)	\$ 15,768,029.02	24.26%
	4	\$ 1,147,546.49	\$ -	\$ 547,546.49	1.07%	\$ (17,010.87)	\$ 1,130,535.62	1.74%
	5	\$ 863,814.79	\$ -	\$ 263,814.79	0.52%	\$ (8,196.05)	\$ 855,618.74	1.32%
	6	\$ 14,705,332.13	\$ -	\$ 14,105,332.13	27.67%	\$ (438,216.66)	\$ 14,267,115.47	21.95%
	7	\$ 4,283,982.97	\$ -	\$ 3,683,982.97	7.23%	\$ (114,451.95)	\$ 4,169,531.02	6.41%
	8	\$ 1,998,159.16	\$ -	\$ 1,398,159.16	2.74%	\$ (43,437.24)	\$ 1,954,721.92	3.01%
	9	\$ 5,344,673.61	\$ -	\$ 4,744,673.61	9.31%	\$ (147,404.90)	\$ 5,197,268.71	8.00%
	10	\$ 1,339,375.59	\$ -	\$ 739,375.59	1.45%	\$ (22,970.51)	\$ 1,316,405.08	2.03%
	11	\$ 6,076,272.44	\$ -	\$ 5,476,272.44	10.74%	\$ (170,133.81)	\$ 5,906,138.63	9.09%
	12	\$ 828,681.40	\$ -	\$ 228,681.40	0.45%	\$ (7,104.55)	\$ 821,576.86	1.26%
	13	\$ 2,382,540.18	\$ -	\$ 1,782,540.18	3.50%	\$ (55,378.97)	\$ 2,327,161.21	3.58%
	Subtotal	\$ 56,971,246.74	\$ 58,131.91	\$ 49,229,378.65	96.56%	\$ (1,471,299.22)	\$ 55,499,947.53	85.38%
Non-MSA Counties and Counties with Only Rural Places	1	\$ 668,830.67	\$ -	\$ 68,830.67	0.14%	\$ (2,138.39)	\$ 666,692.28	1.03%
	2	\$ 473,005.07	\$ 126,994.93	\$ -	0.00%	\$ 126,994.93	\$ 600,000.00	0.92%
	3	\$ 571,792.15	\$ 28,207.85	\$ -	0.00%	\$ 28,207.85	\$ 600,000.00	0.92%
	4	\$ 1,516,481.35	\$ -	\$ 916,481.35	1.80%	\$ (28,472.74)	\$ 1,488,008.61	2.29%
	5	\$ 1,002,112.18	\$ -	\$ 402,112.18	0.79%	\$ (12,492.60)	\$ 989,619.58	1.52%
	6	\$ 471,767.44	\$ 128,232.56	\$ -	0.00%	\$ 128,232.56	\$ 600,000.00	0.92%
	7	\$ 233,461.13	\$ 366,538.87	\$ -	0.00%	\$ 366,538.87	\$ 600,000.00	0.92%
	8	\$ 644,950.54	\$ -	\$ 44,950.54	0.09%	\$ (1,396.50)	\$ 643,554.04	0.99%
	9	\$ 479,031.61	\$ 120,968.39	\$ -	0.00%	\$ 120,968.39	\$ 600,000.00	0.92%
	10	\$ 624,933.90	\$ -	\$ 24,933.90	0.05%	\$ (774.63)	\$ 624,159.27	0.96%
	11	\$ 897,253.60	\$ -	\$ 297,253.60	0.58%	\$ (9,234.91)	\$ 888,018.68	1.37%
	12	\$ 388,794.82	\$ 211,205.18	\$ -	0.00%	\$ 211,205.18	\$ 600,000.00	0.92%
	13	\$ 56,338.80	\$ 543,661.20	\$ -	0.00%	\$ 543,661.20	\$ 600,000.00	0.92%
	Subtotal	\$ 8,028,753.26	\$ 1,525,808.99	\$ 1,754,562.24	3.44%	\$ 1,471,299.22	\$ 9,500,052.47	14.62%
<b>Total</b>	<b>\$ 65,000,000.00</b>	<b>\$ 1,583,940.89</b>	<b>\$ 50,983,940.89</b>	<b>100.00%</b>	<b>\$ -</b>	<b>\$ 65,000,000.00</b>	<b>100.00%</b>	

Subregion Allocation Floor: \$600,000.00

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\$ 1,852,537.51	2.9%
\$ 1,200,000.00	1.8%
\$ 16,368,029.02	25.2%
\$ 2,618,544.24	4.0%
\$ 1,845,238.32	2.8%
\$ 14,867,115.47	22.9%
\$ 4,769,531.02	7.3%
\$ 2,598,275.97	4.0%
\$ 5,797,268.71	8.9%
\$ 1,940,564.35	3.0%
\$ 6,794,157.32	10.5%
\$ 1,421,576.86	2.2%
\$ 2,927,161.21	4.5%
\$ 65,000,000.00	100.0%