

Texas Department of Housing and Community Affairs
Example 2019 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 | 202,603 | 71,339 | 37,697 | 4,207 | 7,602 |
| | 2 | 103,106 | 36,305 | 17,976 | 1,492 | 4,373 |
| | 3 | 2,301,829 | 810,503 | 443,579 | 76,356 | 78,072 |
| | 4 | 187,699 | 66,091 | 27,968 | 2,662 | 5,771 |
| | 5 | 139,863 | 49,248 | 20,497 | 1,673 | 4,739 |
| | 6 | 2,194,388 | 772,672 | 400,064 | 70,609 | 76,386 |
| | 7 | 529,552 | 186,462 | 136,749 | 18,840 | 17,291 |
| | 8 | 339,161 | 119,423 | 66,956 | 5,894 | 15,281 |
| | 9 | 796,872 | 280,589 | 129,581 | 18,785 | 23,163 |
| | 10 | 198,757 | 69,985 | 32,946 | 5,613 | 5,664 |
| | 11 | 886,586 | 312,178 | 66,416 | 25,237 | 12,034 |
| | 12 | 127,971 | 45,060 | 20,853 | 4,155 | 3,591 |
| | 13 | 409,531 | 144,201 | 45,218 | 8,090 | 10,306 |
| | Subtotal | 8,417,918 | 2,964,056 | 1,446,500 | 243,613 | 264,273 |
| Non-MSA Counties and Counties with Only Rural Places | 1 | 127,694 | 44,963 | 9,559 | 2,704 | 3,114 |
| | 2 | 99,330 | 34,975 | 8,192 | 1,145 | 2,942 |
| | 3 | 95,934 | 33,780 | 11,850 | 1,580 | 2,418 |
| | 4 | 259,746 | 91,460 | 23,420 | 3,666 | 5,558 |
| | 5 | 158,920 | 55,958 | 16,542 | 2,019 | 3,406 |
| | 6 | 71,324 | 25,114 | 8,979 | 953 | 1,675 |
| | 7 | 66,691 | 23,483 | 6,278 | 942 | 1,384 |
| | 8 | 105,582 | 37,177 | 9,064 | 1,259 | 2,144 |
| | 9 | 75,885 | 26,720 | 6,744 | 1,634 | 1,363 |
| | 10 | 96,505 | 33,981 | 9,534 | 2,283 | 1,929 |
| | 11 | 152,795 | 53,801 | 8,194 | 3,207 | 2,609 |
| | 12 | 62,243 | 21,917 | 4,990 | 1,077 | 998 |
| | 13 | 11,953 | 4,209 | 1,018 | 170 | 431 |
| | Subtotal | 1,384,602 | 487,536 | 124,364 | 22,639 | 29,971 |
| Total | 9,802,520 | 3,451,592 | 1,570,864 | 266,252 | 294,244 | |

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 | 113,243 | 2.1% | \$ 2,087,694 | 7,602 | 2.6% | \$ (839,660) | \$ 1,248,033.29 | 1.92% |
| | 2 | 55,773 | 1.1% | \$ 1,028,202 | 4,373 | 1.5% | \$ (483,009) | \$ 545,193.18 | 0.84% |
| | 3 | 1,330,438 | 25.2% | \$ 24,527,301 | 78,072 | 26.5% | \$ (8,623,251) | \$ 15,904,049.46 | 24.47% |
| | 4 | 96,721 | 1.8% | \$ 1,783,104 | 5,771 | 2.0% | \$ (637,422) | \$ 1,145,682.55 | 1.76% |
| | 5 | 71,418 | 1.4% | \$ 1,316,618 | 4,739 | 1.6% | \$ (523,435) | \$ 793,183.77 | 1.22% |
| | 6 | 1,243,345 | 23.5% | \$ 22,921,691 | 76,386 | 26.0% | \$ (8,437,028) | \$ 14,484,662.70 | 22.28% |
| | 7 | 342,051 | 6.5% | \$ 6,305,883 | 17,291 | 5.9% | \$ (1,909,835) | \$ 4,396,047.72 | 6.76% |
| | 8 | 192,273 | 3.6% | \$ 3,544,648 | 15,281 | 5.2% | \$ (1,687,825) | \$ 1,856,822.57 | 2.86% |
| | 9 | 428,955 | 8.1% | \$ 7,907,998 | 23,163 | 7.9% | \$ (2,558,412) | \$ 5,349,585.16 | 8.23% |
| | 10 | 108,544 | 2.1% | \$ 2,001,061 | 5,664 | 1.9% | \$ (625,603) | \$ 1,375,457.73 | 2.12% |
| | 11 | 403,831 | 7.6% | \$ 7,444,832 | 12,034 | 4.1% | \$ (1,329,186) | \$ 6,115,645.98 | 9.41% |
| | 12 | 70,068 | 1.3% | \$ 1,291,743 | 3,591 | 1.2% | \$ (396,635) | \$ 895,107.83 | 1.38% |
| | 13 | 197,509 | 3.7% | \$ 3,641,179 | 10,306 | 3.5% | \$ (1,138,324) | \$ 2,502,855.43 | 3.85% |
| | Subtotal | 4,654,169 | 88.0% | \$ 85,801,954 | 264,273 | 89.8% | \$ (29,189,627) | \$ 56,612,327.35 | 87.10% |
| Non-MSA Counties and Counties with Only Rural Places | 1 | 57,226 | 1.1% | \$ 1,054,984 | 3,114 | 1.1% | \$ (343,949) | \$ 711,035.06 | 1.09% |
| | 2 | 44,312 | 0.8% | \$ 816,921 | 2,942 | 1.0% | \$ (324,951) | \$ 491,969.23 | 0.76% |
| | 3 | 47,210 | 0.9% | \$ 870,332 | 2,418 | 0.8% | \$ (267,074) | \$ 603,258.19 | 0.93% |
| | 4 | 118,546 | 2.2% | \$ 2,185,453 | 5,558 | 1.9% | \$ (613,895) | \$ 1,571,557.63 | 2.42% |
| | 5 | 74,519 | 1.4% | \$ 1,373,791 | 3,406 | 1.2% | \$ (376,201) | \$ 997,589.42 | 1.53% |
| | 6 | 35,046 | 0.7% | \$ 646,092 | 1,675 | 0.6% | \$ (185,008) | \$ 461,084.28 | 0.71% |
| | 7 | 30,703 | 0.6% | \$ 566,021 | 1,384 | 0.5% | \$ (152,866) | \$ 413,154.34 | 0.64% |
| | 8 | 47,500 | 0.9% | \$ 875,682 | 2,144 | 0.7% | \$ (236,810) | \$ 638,871.86 | 0.98% |
| | 9 | 35,098 | 0.7% | \$ 647,051 | 1,363 | 0.5% | \$ (150,547) | \$ 496,503.86 | 0.76% |
| | 10 | 45,798 | 0.9% | \$ 844,303 | 1,929 | 0.7% | \$ (213,063) | \$ 631,239.59 | 0.97% |
| | 11 | 65,202 | 1.2% | \$ 1,202,033 | 2,609 | 0.9% | \$ (288,171) | \$ 913,862.20 | 1.41% |
| | 12 | 27,984 | 0.5% | \$ 515,891 | 998 | 0.3% | \$ (110,232) | \$ 405,659.25 | 0.62% |
| | 13 | 5,397 | 0.1% | \$ 99,493 | 431 | 0.1% | \$ (47,605) | \$ 51,887.74 | 0.08% |
| | Subtotal | 634,539 | 12.0% | \$ 11,698,046 | 29,971 | 10.2% | \$ (3,310,373) | \$ 8,387,672.65 | 12.90% |
| Total | 5,288,708 | 100% | \$ 97,500,000 | 294,244 | 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 | \$ 1,248,033.29 | \$ - | \$ 748,033.29 | 1.42% | \$ (9,652.08) | \$ 1,238,381.21 | 1.91% |
| | 2 | \$ 545,193.18 | \$ - | \$ 45,193.18 | 0.09% | \$ (583.14) | \$ 544,610.04 | 0.84% |
| | 3 | \$ 15,904,049.46 | \$ - | \$ 15,404,049.46 | 29.24% | \$ (198,762.72) | \$ 15,705,286.74 | 24.16% |
| | 4 | \$ 1,145,682.55 | \$ - | \$ 645,682.55 | 1.23% | \$ (8,331.42) | \$ 1,137,351.13 | 1.75% |
| | 5 | \$ 793,183.77 | \$ - | \$ 293,183.77 | 0.56% | \$ (3,783.03) | \$ 789,400.74 | 1.21% |
| | 6 | \$ 14,484,662.70 | \$ - | \$ 13,984,662.70 | 26.55% | \$ (180,447.98) | \$ 14,304,214.72 | 22.01% |
| | 7 | \$ 4,396,047.72 | \$ - | \$ 3,896,047.72 | 7.40% | \$ (50,271.78) | \$ 4,345,775.94 | 6.69% |
| | 8 | \$ 1,856,822.57 | \$ - | \$ 1,356,822.57 | 2.58% | \$ (17,507.46) | \$ 1,839,315.11 | 2.83% |
| | 9 | \$ 5,349,585.16 | \$ - | \$ 4,849,585.16 | 9.21% | \$ (62,575.54) | \$ 5,287,009.62 | 8.13% |
| | 10 | \$ 1,375,457.73 | \$ - | \$ 875,457.73 | 1.66% | \$ (11,296.27) | \$ 1,364,161.46 | 2.10% |
| | 11 | \$ 6,115,645.98 | \$ - | \$ 5,615,645.98 | 10.66% | \$ (72,460.24) | \$ 6,043,185.74 | 9.30% |
| | 12 | \$ 895,107.83 | \$ - | \$ 395,107.83 | 0.75% | \$ (5,098.19) | \$ 890,009.64 | 1.37% |
| | 13 | \$ 2,502,855.43 | \$ - | \$ 2,002,855.43 | 3.80% | \$ (25,843.40) | \$ 2,477,012.03 | 3.81% |
| | Subtotal | \$ 56,612,327.35 | \$ - | \$ 50,112,327.35 | 95.13% | \$ (646,613.24) | \$ 55,965,714.11 | 86.10% |
| Non-MSA Counties and Counties with Only Rural Places | 1 | \$ 711,035.06 | \$ - | \$ 211,035.06 | 0.40% | \$ (2,723.04) | \$ 708,312.01 | 1.09% |
| | 2 | \$ 491,969.23 | \$ 8,030.77 | \$ - | 0.00% | \$ 8,030.77 | \$ 500,000.00 | 0.77% |
| | 3 | \$ 603,258.19 | \$ - | \$ 103,258.19 | 0.20% | \$ (1,332.37) | \$ 601,925.82 | 0.93% |
| | 4 | \$ 1,571,557.63 | \$ - | \$ 1,071,557.63 | 2.03% | \$ (13,826.60) | \$ 1,557,731.03 | 2.40% |
| | 5 | \$ 997,589.42 | \$ - | \$ 497,589.42 | 0.94% | \$ (6,420.53) | \$ 991,168.88 | 1.52% |
| | 6 | \$ 461,084.28 | \$ 38,915.72 | \$ - | 0.00% | \$ 38,915.72 | \$ 500,000.00 | 0.77% |
| | 7 | \$ 413,154.34 | \$ 86,845.66 | \$ - | 0.00% | \$ 86,845.66 | \$ 500,000.00 | 0.77% |
| | 8 | \$ 638,871.86 | \$ - | \$ 138,871.86 | 0.26% | \$ (1,791.90) | \$ 637,079.95 | 0.98% |
| | 9 | \$ 496,503.86 | \$ 3,496.14 | \$ - | 0.00% | \$ 3,496.14 | \$ 500,000.00 | 0.77% |
| | 10 | \$ 631,239.59 | \$ - | \$ 131,239.59 | 0.25% | \$ (1,693.42) | \$ 629,546.17 | 0.97% |
| | 11 | \$ 913,862.20 | \$ - | \$ 413,862.20 | 0.79% | \$ (5,340.18) | \$ 908,522.02 | 1.40% |
| | 12 | \$ 405,659.25 | \$ 94,340.75 | \$ - | 0.00% | \$ 94,340.75 | \$ 500,000.00 | 0.77% |
| | 13 | \$ 51,887.74 | \$ 448,112.26 | \$ - | 0.00% | \$ 448,112.26 | \$ 500,000.00 | 0.77% |
| | Subtotal | \$ 8,387,672.65 | \$ 679,741.29 | \$ 2,567,413.94 | 4.87% | \$ 646,613.24 | \$ 9,034,285.89 | 13.90% |
| Total | \$ 65,000,000.00 | \$ 679,741.29 | \$ 52,679,741.29 | 100.00% | \$ - | \$ 65,000,000.00 | 100.00% | |

Subregion Allocation Floor: \$500,000.00