

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

Table 1 - Raw Data

	Region	Individuals at or Below 200% Poverty	HH at or Below 200% Poverty	Cost-Burdened Owners	Cost-Burdened Renters	Over-crowded Owners	Over-crowded Renters	Total Units Lacking Plumbing	Total Units Lacking Kitchen	Vacant Units For Sale	Vacant Units For Rent	Land Area	Total Population	Inverse Population Density
MSA Counties with Urban Places	1	198,101	69,754	15,797	38,557	2,867	4,453	4,165	7,863	1,860	8,155	2,716	549,824	0.005
	2	100,682	35,451	7,908	17,840	968	1,448	4,955	5,911	1,556	4,356	2,472	287,118	0.009
	3	2,267,041	798,254	259,374	448,972	41,205	76,635	27,929	59,070	18,250	76,183	9,603	7,166,493	0.001
	4	185,875	65,449	14,022	27,875	3,171	2,426	7,144	8,594	2,444	5,770	2,663	479,820	0.006
	5	138,438	48,746	10,889	19,980	2,065	1,777	7,505	6,433	1,781	4,074	2,101	394,476	0.005
	6	2,198,617	774,161	224,538	404,982	42,352	72,179	36,272	54,155	20,545	78,106	7,612	6,606,916	0.001
	7	543,279	191,295	77,829	140,186	9,307	19,310	6,510	12,782	5,701	20,400	4,220	2,000,590	0.002
	8	337,568	118,862	25,706	67,250	3,959	6,148	7,298	11,798	3,679	14,420	4,438	892,748	0.005
	9	798,853	281,286	76,865	131,124	12,432	18,421	14,190	21,866	6,895	24,284	4,498	2,260,847	0.002
	10	199,067	70,094	16,005	33,332	4,088	5,664	7,194	9,981	2,117	6,278	2,666	541,701	0.005
	11	880,047	309,876	44,451	67,059	27,493	25,080	20,771	15,922	4,660	12,574	5,823	1,529,364	0.004
	12	126,306	44,474	11,989	20,885	3,357	4,295	4,530	5,868	1,180	4,254	4,235	438,080	0.010
	13	400,785	141,121	29,897	45,922	7,203	7,743	3,470	7,760	3,307	11,293	1,013	834,825	0.001
	Subtotal	8,374,659	2,948,824	815,270	1,463,964	160,467	245,579	151,933	228,003	73,975	270,147	54,060	23,982,802	0.056
Non-MSA Counties and Counties with Only Rural Places	1	123,473	43,476	5,942	9,479	2,824	2,425	9,113	12,911	1,522	3,290	36,633	315,872	0.116
	2	98,556	34,703	6,892	7,275	1,325	1,061	11,734	12,680	1,963	2,990	24,831	261,516	0.095
	3	92,052	32,413	7,882	11,329	1,841	1,632	4,072	6,609	2,374	2,475	5,417	254,283	0.021
	4	253,421	89,233	20,612	23,264	4,540	4,051	13,222	17,450	3,647	5,915	12,756	652,018	0.020
	5	155,723	54,832	9,429	17,262	2,789	2,197	11,114	11,712	2,455	3,442	9,910	380,459	0.026
	6	69,391	24,433	4,543	9,291	1,574	1,154	4,162	3,929	876	1,604	4,577	199,197	0.023
	7	37,734	13,287	4,530	3,779	722	628	2,812	3,941	942	868	4,217	118,114	0.036
	8	105,173	37,033	8,428	8,873	2,443	1,357	8,322	9,364	2,221	2,121	12,672	284,198	0.045
	9	74,659	26,288	7,054	6,473	2,373	1,488	4,692	4,993	1,360	1,429	6,857	227,521	0.030
	10	97,406	34,298	4,766	9,590	3,028	2,380	8,110	7,242	884	2,136	14,905	249,750	0.060
	11	151,279	53,267	5,414	8,593	4,515	3,280	7,431	6,422	821	2,846	18,214	277,890	0.066
	12	63,264	22,276	3,175	5,073	1,306	1,022	5,734	6,758	855	1,258	35,496	191,386	0.185
	13	12,643	4,452	501	1,040	281	206	1,330	1,501	239	454	20,687	24,606	0.841
	Subtotal	1,334,774	469,991	89,168	121,321	29,561	22,881	91,848	105,512	20,159	30,828	207,172	3,436,810	1.563
	Total	9,709,433	3,418,814	904,438	1,585,285	190,028	268,460	243,781	333,515	94,134	300,975	261,232	27,419,612	1.618

Texas Average HH Size: 2.84

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Table 2 - Weights

	Region	Total Need Variables	% of Total Need Variables	Weighted	Total Availability Variables	% of Total Availability Variables	Weighted	Regional Coverage Factor	% of Total Regional Coverage Factor	Weighted	Final Subregion Allocation	% of Total Award
MSA Counties with Urban Places	1	143,456	2.1%	\$ 61,974	10,015	2.5%	\$ (15,208)	0.005	0.3%	\$ 1,831	\$ 48,597	1.62%
	2	74,481	1.1%	\$ 32,177	5,912	1.5%	\$ (8,978)	0.009	0.5%	\$ 3,192	\$ 26,391	0.88%
	3	1,711,439	24.6%	\$ 739,355	94,433	23.9%	\$ (143,403)	0.001	0.1%	\$ 497	\$ 596,449	19.88%
	4	128,681	1.9%	\$ 55,591	8,214	2.1%	\$ (12,474)	0.006	0.3%	\$ 2,058	\$ 45,175	1.51%
	5	97,395	1.4%	\$ 42,075	5,855	1.5%	\$ (8,891)	0.005	0.3%	\$ 1,974	\$ 35,158	1.17%
	6	1,608,639	23.2%	\$ 694,944	98,651	25.0%	\$ (149,808)	0.001	0.1%	\$ 427	\$ 545,563	18.19%
	7	457,219	6.6%	\$ 197,522	26,101	6.6%	\$ (39,636)	0.002	0.1%	\$ 782	\$ 158,668	5.29%
	8	241,021	3.5%	\$ 104,123	18,099	4.6%	\$ (27,485)	0.005	0.3%	\$ 1,843	\$ 78,482	2.62%
	9	556,184	8.0%	\$ 240,276	31,179	7.9%	\$ (47,347)	0.002	0.1%	\$ 738	\$ 193,666	6.46%
	10	146,358	2.1%	\$ 63,228	8,395	2.1%	\$ (12,748)	0.005	0.3%	\$ 1,825	\$ 52,304	1.74%
	11	510,652	7.4%	\$ 220,605	17,234	4.4%	\$ (26,171)	0.004	0.2%	\$ 1,412	\$ 195,846	6.53%
	12	95,398	1.4%	\$ 41,213	5,434	1.4%	\$ (8,252)	0.010	0.6%	\$ 3,584	\$ 36,545	1.22%
	13	243,116	3.5%	\$ 105,028	14,600	3.7%	\$ (22,171)	0.001	0.1%	\$ 450	\$ 83,307	2.78%
	Subtotal	6,014,040	86.6%	\$ 2,598,111	344,122	87.1%	\$ (522,573)	0.056	3.4%	\$ 20,613	\$ 2,096,151	69.87%
Non-MSA Counties and Counties with Only Rural Places	1	86,170	1.2%	\$ 37,226	4,812	1.2%	\$ (7,307)	0.116	7.2%	\$ 42,999	\$ 72,918	2.43%
	2	75,670	1.1%	\$ 32,690	4,953	1.3%	\$ (7,521)	0.095	5.9%	\$ 35,204	\$ 60,373	2.01%
	3	65,778	0.9%	\$ 28,416	4,849	1.2%	\$ (7,364)	0.021	1.3%	\$ 7,899	\$ 28,952	0.97%
	4	172,372	2.5%	\$ 74,466	9,562	2.4%	\$ (14,521)	0.020	1.2%	\$ 7,254	\$ 67,199	2.24%
	5	109,335	1.6%	\$ 47,234	5,897	1.5%	\$ (8,955)	0.026	1.6%	\$ 9,657	\$ 47,936	1.60%
	6	49,086	0.7%	\$ 21,206	2,480	0.6%	\$ (3,766)	0.023	1.4%	\$ 8,520	\$ 25,960	0.87%
	7	29,699	0.4%	\$ 12,830	1,810	0.5%	\$ (2,749)	0.036	2.2%	\$ 13,236	\$ 23,317	0.78%
	8	75,820	1.1%	\$ 32,755	4,342	1.1%	\$ (6,594)	0.045	2.8%	\$ 16,532	\$ 42,693	1.42%
	9	53,361	0.8%	\$ 23,053	2,789	0.7%	\$ (4,235)	0.030	1.9%	\$ 11,174	\$ 29,991	1.00%
	10	69,414	1.0%	\$ 29,987	3,020	0.8%	\$ (4,586)	0.060	3.7%	\$ 22,127	\$ 47,528	1.58%
	11	88,922	1.3%	\$ 38,415	3,667	0.9%	\$ (5,569)	0.066	4.1%	\$ 24,302	\$ 57,148	1.90%
	12	45,344	0.7%	\$ 19,589	2,113	0.5%	\$ (3,209)	0.185	11.5%	\$ 68,765	\$ 85,146	2.84%
	13	9,311	0.1%	\$ 4,022	693	0.2%	\$ (1,052)	0.841	52.0%	\$ 311,719	\$ 314,689	10.49%
	Subtotal	930,282	13.4%	\$ 401,889	50,987	12.9%	\$ (77,427)	1.563	96.6%	\$ 579,387	\$ 903,849	30.13%
	Total	6,944,321	100%	\$ 3,000,000	395,109	100%	\$ (600,000)	1.618	100.0%	\$ 600,000	\$ 3,000,000	100.00%

Total Sample Allocation: \$3,000,000

Weight of Need Variables: 100%

Weight of Availability Variables: -20%

Weight of Regional Coverage Factor: 20%

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used for SLIHP calc

\$	121,514.65	4.1%
\$	86,763.29	2.9%
\$	625,400.21	20.8%
\$	112,374.20	3.7%
\$	83,094.27	2.8%
\$	571,522.75	19.1%
\$	181,985.65	6.1%
\$	121,174.82	4.0%
\$	223,657.18	7.5%
\$	99,832.56	3.3%
\$	252,994.57	8.4%
\$	121,690.43	4.1%
\$	397,995.41	13.3%
\$	3,000,000.00	100.0%